



Plutonium Immobilization Project Development and Testing Baseline and Progress Monthly Report January 2001

February 2001

Work performed by:

Lawrence Livermore National Laboratory Westinghouse Savannah River Company Argonne National Laboratory Pacific Northwest National Laboratory For the U.S. DOE MD Program

Plutonium Immobilization Project

Lawrence Livermore National Laboratory Livermore, California 94550

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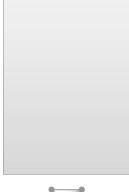
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Executive Summary

1 Pre-Design Phase Activities

1.2 DOCDR

Major Technical Accomplishments

No activity. The DOCDR, Rev. 3, is awaiting final sign-off sheet from NN-62 prior to issuance.

Significant Issues and Risks

None.

2.1 Program Management

Major Technical Accomplishments

- The program began detailed planning to evaluate the impact of a budget reduction in FY01.
- The WSRC, PNNL and ANL QA organizations performed surveillances during the month. The TPO QA Office prepared the audit report for the TPO QA audit of LLNL conducted in December.

Significant Issues and Risks

The schedule for the start of design and major work stoppage is at risk if a budget reduction in FY01 is required.

2.2 D&T for Design

2.2.1 Technical Support and Integration

Major Technical Accomplishments

- Revisions to the SDDs for the 13 MT throughput are underway. Some SDDs are complete and awaiting issuance.
- Resolution of RFETS materials-acceptance issues is essentially complete. WSRC is awaiting transmittal of item-level characterization data from RFETS.

Significant Issues and Risks

None.

2.2.2 Immobilized Form Development

Major Technical Accomplishments

A draft of the Preliminary PCM spreadsheet was distributed for review.

Significant Issues and Risks

SEM work at WSRC will be limited until July 2001.

2.2.3 Plutonium Conversion Process and Equipment Development

Major Technical Accomplishments

- Extended the tunnel from the metal conversion glove box and aligned the tunnel to the declad glove box.
- Completed cold tests of the pulsed bed and pneumatic dustless transfer system and determined an improved frit design and system operating parameters for the halo blow back system.

Significant Issues and Risks

None.

2.2.4 First-Stage Immobilization Process and Equipment Development Major Technical Accomplishments

- The PuCTF glovebox line in B-241 has been deactivated and completely disassembled. The re-installation of the PuCTF equipment in the Plutonium Facility continues as planned.
- Fully integrated furnace testing continues at CETL. The goal of recent tests was to minimize thermal gradients within the furnace. By raising the tray stack and controlling leakage air, the temperature uniformity within the furnace has dramatically improved. This has resulted in significantly improved puck quality.
- Feed material blender testing has been postponed until FY 2002 due to funding reductions.

Significant Issues and Risks

- The PuCTF schedule remains tight due to the availability of craft personnel and their access to the Plutonium facility.
- Delaying feed material blender testing in FY02 will eliminate any recovery time from problems prior to PIP design start.

2.2.5 Second-Stage Immobilization Process and Equipment Development Major Technical Accomplishments

The SDDs for Can-in-Canister Design and Assembly, Canister Transport, and DWPF Receiving and Handling were issued.

Significant Issues and Risks

2.3 D&T for Form Qualification

2.3.1 Form Performance Testing and Dissolution Modeling

Major Technical Accomplishments

Single-pass flow-through (SPFT) tests on a 238 Pu-doped pyrochlore-rich composition at pH = 2 and 90°C indicate that the apparent dissolution rate of this material is ~1,000X faster than the 239 Pu-doped and 'cold' analogue material. It is not yet clear if these rates are valid (i.e., whether the increase in rate is due to radiation damage or some other effect). (PNNL)

Significant Issues and Risks

We do not yet understand the reason for much higher SPFT dissolution rate measured on the ²³⁸Pu-bearing sample.

2.3.2 Thermodynamic Data Determination and Validation

Major Technical Accomplishments

This task is complete.

Significant Issues and Risks

Reconnaissance experiments conducted at PNNL in late FY00 indicated that the solubility of Hf is strongly enhanced by the presence of carbonate. This behavior was totally unexpected, and could have important implications as to the mobility of Hf (the backup neutron absorber) under repository conditions. Our current plans and funding call for termination of this task in FY01.

2.3.4 Form Qualification and Repository Interactions

Major Technical Accomplishments

Discussions continue with DOE-RW and DOE-EM on changes in the latest draft RW WAS-RD document. This latest revision contains significant changes from previous versions.

Significant Issues and Risks

The roles and responsibilities of NN, EM, and RW remain unclear with respect to the "ownership" of the IPWF, and this continues to impede finalization of the PIPS. Attention from NN, EM and RW management is needed to clarify each organization's roles.

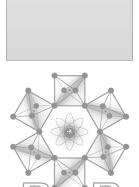
3 Technology Transfer

Major Technical Accomplishments

Planning for the combined independent design and technology review of the PIP program is underway.

Significant Issues and Risks

No significant issues or risks.



Report on Cost, Schedule, and Technical Progress

1 Pre-Design Phase Activities

1.2 DOCDR

Participants: LLNL and WSRC

Summary of Progress

DOCDR, Rev. 3, is awaiting final sign off sheet from NN-62.

Cost Performance

The LLNL variance of –13% reflects the currently (July D&T Plan) underestimated scope at LLNL for this effort in FY01. The task is complete with the incorporation of MD comments. A review copy of the DOCDR is with NN-62 awaiting signature.

Schedule Performance

The DOCDR effort is now complete except for receipt of the NN-62 sign off page and the printing.

Issues and Risks

2.1 Program Management

2.1.1 Technical Project Office

Participants: LLNL, WSRC, ANL, and PNNL

Summary of Progress

Detailed planning is underway to evaluate the impacts of a budget reduction in FY01.

Cost Performance

No significant cost variance.

Schedule Performance

No significant schedule variance.

Issues and Risks

The D&T Program is operating under budget authority that is substantially less than identified in the FY01 AOP. If additional funding is not provided, work on many tasks will cease or be significantly curtailed.

2.1.2 Quality Assurance

Participants: LLNL, WSRC, ANL, and PNNL

Summary of Progress

Technical Project Office

The TPO QA Office prepared the audit report for the TPO QA audit of LLNL conducted in December.

Project Participants

Argonne National Laboratory (ANL) initiated two internal surveillances, one in the area of Measurement and Test Equipment processes and the other in the area of Corrective Actions. Impacts of the budget reductions for FY01 were evaluated and some QA related activities associated with revising the project technical procedures have been reduced.

Lawrence Livermore National Laboratory (LLNL) developed and conducted training for an additional fifteen project personnel. LLNL transmitted the response to TPO Technical Corrective Action Report 01-L001 from the TPO QA Audit in December.

Pacific Northwest National Laboratory (PNNL) performed the field work for the surveillance covering procurement document control and control of purchased items and services.

Westinghouse Savannah River Company (WSRC) performed a surveillance of the FDD and SDD development task. The scope of the surveillance was to

summarize the status of the SDD's and review the format used for development and review of the SDD. QA training has been developed and set up for CPTF task personnel.

Cost Performance

- PNNL had a variance of -18% (under spent) for the QA task due to estimated cost for labor expense not being reported in the January timeframe as originally projected. This will not impact the overall budget for this task. Adjustments to the spend plan will be made in February to reflect reductions to the TY01 budget as directed.
- No significant cost variance for TPO, ANL, LLNL, and WSRC.

Schedule Performance

No significant schedule variance for any participant.

Issues and Risks

None.

2.1.3 Document Control

Participants: LLNL and WSRC

Summary of Progress

The DCC updated the master report, which lists documents received through Nov. 2000.

Cost Performance

No significant cost variance.

Schedule Performance

No significant schedule variance.

Issues and Risks

2.2 D&T for Design

2.2.1 Technical Support and Integration

2.2.1.1 Feed Materials Characterization and Blending

Participants: LLNL and WSRC

Summary of Progress

- A final draft of the RFETS materials evaluation was completed, leading to a final editing session planned at LLNL the second week of February. SRS has requested the opportunity to review the final report to ensure that there are no disconnects between PIP plans and Site storage criteria. Further work on developing the Feed Materials Database, and preparation of the FY01 Feed Materials Report, remains suspended until the existing database is transmitted from LLNL to SRS. WSRC has obtained the FY1999 Nuclear Materials Inventory Assessment data and plans to receive more-recent (end of FY2000) item-level information from Rocky Flats and Hanford supplementing data already available from Savannah River inventories.
- A meeting of the Material Review Board to evaluate exceptions or clarification to the PIP Acceptance Criteria, for Hanford materials stabilized from polycubes and via magnesium hydroxide precipitation, was postponed to the first week of February. Given specific understandings with the Site, the materials appear to be compatible with PIP processing, and a greater issue may be whether the products of the baseline treatments can meet the storage standard DOE-STD-3013-2000.

Cost Performance

No significant cost variance.

Schedule Performance

Due to L. Gray's accident, Milestone 2.1/1/FY00, Revised draft of the feed materials characterization report, is on hold at least until February. Information from the draft will be provided on an as-needed basis to minimize schedule impacts.

Issues and Risk

• The reassessment of the RFETS data to evaluate the impact on Immobilization of the proposed RFETS consolidation program has stretched out the transition of this task to SRS from LLNL. Further work on developing the Feed Materials Database and preparation of the FY01 Feed Materials Report by WSRC was suspended. The suspension was due to awaiting transfer of the existing database from LLNL to SRS, transfer of item-level data from RFETS to SRS, and availability of the end-of-1999 DOE Nuclear Materials Inventory Assessment. The goal of completing the 2001 Feed Report by September 2001 is not in jeopardy, but the scope and utility of the information system may suffer.

- In order to perform critical planning studies, plutonium materials data from disparate sources must be consolidated. These studies include an analysis of the impacts of different timings proposed for processing the inventories that are covered by, or not covered by, the U.S.-Russian agreement. These scenarios could affect equipment choices, operating plans, and even acceptance criteria.
- PIP continues to work to confirm the quantities of plutonium that each site will transfer to MD for disposition. Major sites are still evaluating disposing some inventories to WIPP (instead of transfer to PIP), making it uncertain whether enough plutonium is firmly committed to MD to meet the strict requirements of the U.S.-Russian agreement. Decisions on MD-versus-WIPP disposition are on the critical paths for some EM stabilization plans, e.g., the RFETS closure plan, and decisions made at one site can affect MD's acceptance plans for other sites.

2.2.1.2 Proliferation Resistance

Participant: LLNL

Summary of Progress

No activity.

Cost Performance

The LLNL variance of 100% reflects the fact that the response to the NAS report is undecided. It was anticipated in July 2000 that the activity would begin in December.

Schedule Performance

A firm schedule for a study has not been established. The schedule variances do not have an impact on the overall schedule at this time.

Issues and Risk

This task is on hold until a decision is reached on the scope and schedule for any response to the NAS report.

2.2.1.3 Systems Integration and Cross-Cutting Functions

Participants: LLNL and WSRC

Summary of Progress

The MC&A, analytical lab, and radiological control SDDs has been modified to reflect the scope change to a 13 MT throughput facility. Comments from LLNL have been received and incorporated in the final draft. The draft SDD is in final edit and review. The edit and review process has required more effort than anticipated in August when the schedule was established. The SDDs are anticipated to be issued in February 2001.

Cost Performance

No significant cost variance.

Schedule Performance

- Milestone 2.2.1.3/FY01/a, Provide Draft SDD, was due 12/31/00.
 Completion of this milestone will be delayed due to limited resource
 availability in completing the overall project SDD package. The delay is not
 likely to affect the overall project schedule because the two independent
 reviews and start of preliminary design will be delayed until FY 2002 due to
 budget reductions announced in December.
- The Technical Support SDD (milestone 2.2.1.3/FY01/a) drafts are in final edit and review. The edit and review process has required more effort than anticipated in August when the schedule was established. The SDD will be issued in March 2001. The projected issue date of March is not expected to impact the overall design schedule.

Issues and Risk

The security posture for PIP remains open pending the DOE-NN decision on the overall security approach for the Plutonium Disposition facilities.

2.2.1.4 Material Transport System

Participant: WSRC

Summary of Progress

The SDD has been modified to reflect the scope change to a 13 MT throughput facility. Comments from LLNL have been incorporated in the final draft. The edit and review process has required more effort than anticipated in August when the schedule was established. The SDD will be issued in February 2001.

Cost Performance

No significant cost variance.

Schedule Performance

Milestone 2.2.1.4/FY01/a, *Provide Draft SDD*, was due 12/31/00. Completion of this milestone will be delayed due to limited resource availability in completing the overall project SDD package. The delay is not likely to affect the overall project schedule because the two independent reviews and start of preliminary design will be delayed until FY 2002 due to budget reductions announced in December.

Issues and Risk

None.

2.2.1.5 Waste Handling System

Participant: WSRC

Summary of Progress

The SDD has been modified to reflect the scope change to a 13 MT throughput facility. Comments from LLNL have been incorporated in the final draft. The

edit and review process has required more effort than anticipated in August when the schedule was established. The SDD will be issued in February 2001.

Cost Performance

No significant cost variance.

Schedule Performance

Milestone 2.2.1.5/FY01/a, *Complete Waste Generation Report*, was due in December 2000. This report will be delayed two months due to limited resource availability. The delay will not affect the overall project schedule.

Issues and Risk

None.

2.2.2 Immobilized Form Development

2.2.2.3 Process Control Model Development

Participants: LLNL and WSRC

Summary of Progress

- A draft spreadsheet was assembled as the basis for the preliminary Process Control Model in support of Milestone 2.2.2.3/FY01/a. This spreadsheet includes as inputs the composition and isotopics of the plutonium oxide feed materials. As outputs it includes a calculation of the product composition, isotopics, phase assemblage, density, and pellet integrity. It also checks against the feed impurity and processing specifications. The draft spreadsheet has been distributed for preliminary review. (LLNL)
- A meeting was held between the SRTC form development and the NDE/XRD teams to lay out the task schedule for the remainder of the year. An objective of the meeting was to develop plans to transition from the form development work into the product qualification work under the NDE/XRD task. (WSRC)
- Interrupted sintering cycle testing to ascertain the phase development progression in Hf-Pu-U, Hf-Ce-U, and Hf-Ce-Ce samples is complete. X-ray diffraction analysis of the completed samples is underway. (WSRC)

Cost Performance

No significant cost variance.

Schedule Performance

It is anticipated that the Milestone 2.2.2.3/FY01/a, *Preliminary Process Control Model*, will be ready for QA review by the end of March 2001. Completion of the QA review should be complete by the end of April.

Issues and Risk

The most precise SEM at SRS will be taken out of service to be installed in a glove box. This will benefit PIP in the long term, but microscope access will be limited until July 2001. (WSRC)

2.2.3 Plutonium Conversion Process and Equipment Development

2.2.3.1 Material Receipt and Storage

Participant: WSRC

Summary of Progress

- The SDD has been modified to reflect the scope change to a 13 MT throughput. Revision E of the SDD was issued in January.
- No further activity is expected for this task in FY 2001.

Cost Performance

No significant cost variance.

Schedule Performance

Milestone 2.2.3.1/FY01/a, *Provide Draft SDD*, was due 12/31/00. Revision E of the SDD was issued in January 2001, thereby completing this milestone commitment. The delay will not affect the overall project schedule.

Issues and Risk

None.

2.2.3.3 Material Size Reduction

Participant: WSRC

Summary of Progress

WSRC recently was given the responsibility for development of the SDD for Material Size Reduction. This task was initiated in January and will be completed in February 2001.

Cost Performance

No significant cost variance.

Schedule Performance

Milestone 2.2.3.3/FY01/a, *Provide Draft SDD*, was due 12/31/00. Completion of this milestone will be delayed due to limited resource availability in completing the overall project SDD package. The delay is not likely to affect the overall project schedule because the two independent reviews and start of preliminary design will be delayed until FY 2002 due to budget reductions announced in December.

Issues and Risk

None.

2.2.3.4 Material Unpackaging and Sorting

Participants: WSRC and LLNL

Summary of Progress

The SDD has been modified to reflect the scope change to a 13 MT throughput. The edit and review process has required more effort than anticipated in August when the schedule was established. The SDD will be issued in February 2001.

Cost Performance

No significant cost variance.

Schedule Performance

Milestone 2.2.3.4/FY01/a, *Provide Draft SDD*, was due 12/31/00. Completion of this milestone will be delayed due to limited resource availability in completing the overall project SDD package. The delay is not likely to affect the overall project schedule because the two independent reviews and start of preliminary design will be delayed until FY 2002 due to budget reductions announced in December.

Issues and Risks

None.

2.2.3.6 Metal Conversion

Participants: LLNL and WSRC

Summary of Progress

- The declad glove box was anchored to the floor in Room 1006. The glove box was aligned to the tunnel section extending from the metal conversion glove box.
- We continued assembling subsystems in the metal conversion glove box.
 Tests of the oxide and dustless transfer subsystems were completed, and
 were installed into the oxide side of the metal conversion glove box.
 Plumbing for the pneumatic control system inside the glove box is
 approximately 70% complete. All major subsystems are now installed, and
 the next step is to mechanically align these systems.
- Cold tests of the oxidation system were completed in January. Tests to
 determine the operating parameters and design changes required for the halo
 blow back system were successfully completed. The information from these
 tests will be incorporated into the initial oxidation process operating
 procedure for cold run checkout of the metal conversion system in Bldg. 332
- WSRC personnel assigned to LLNL recently were given the responsibility for revising the SDD for Metal Conversion. This task was initiated in January.

Cost Performance

- No significant cost variance at LLNL.
- This task is under spent by \$6,847 (34%) at WSRC due to limited resource availability. This cost variance will not adversely impact the project.

Schedule Performance

- Milestone 5.6.a/FY99, *Perform Feasibility Demonstrations on Pu-Al Alloys* was reviewed and is being routed for final signatures.
- Milestone 5.6.3/FY00, *Move System Into Radiation Material Management Area* was reviewed and is being routed for final signatures.
- Milestone 2.2.3.6/FY01/b, Provide Draft SDD, was due 12/31/00.
 Completion of this milestone will be delayed due to limited resource
 availability in completing the overall project SDD package. The delay is not
 likely to affect the overall project schedule because the two independent
 reviews and start of preliminary design will be delayed until FY 2002 due to
 budget reductions announced in December.

Issues and Risk

The current success oriented schedule does not include intangible issues such as DNFSB reviews of the Plutonium Facility. DOE Oakland representatives, members of the facility staff, and programmatic personnel reviewed the metal conversion schedule. The current schedule reflects our best planning based upon the remaining work, facility staff availability, and DOE Oakland review requirements.

2.2.3.7 Impure Oxide Feed Preparation

Participants: LLNL and WSRC

Summary of Progress

- Effort continued toward clearing glove box space for this instrumentation.
- WSRC recently was given the responsibility for development of the SDD for Impure Oxide Feed Preparation. The draft SDD has been completed and is in final review. This task will be completed in February 2001.
- This task has been terminated in FY01.

Cost Performance

No significant cost variance.

Schedule Performance

Milestone 2.2.3.7/FY01/a, *Provide Draft SDD*, was due 12/31/00. Completion of this milestone will be delayed due to limited resource availability in completing the overall project SDD package. The delay is not likely to affect the overall project schedule because the two independent reviews and start of preliminary design will be delayed until FY 2002 due to budget reductions announced in December.

Issues and Risk

None.

2.2.3.8 Material Characterization

Participants: LLNL and WSRC

Summary of Progress

- Plant Engineering/Labor-Only personnel continued installation work on the fume hood.
- Completed fabrication and a facility work permit for the argon gas system penetration of the RMA exterior wall.
- A USQ Screening addressing the addition of all the material characterization support equipment (fume hood, ventilation ducts, and HEPA housings) to Room 1006 has been approved by the facility. This clears the way for the facility to complete the air balance of Increment 3.
- Facility approval of the seismic evaluation was obtained for installation of the laser ablation system and components to WS 0604. This clears the way for a work permit for the hot-break needed to complete this task.
- A facility work permit was obtained and work begun on installation of the replacement chiller for the existing ICP-MS in WS 0604. The replacement chiller is needed in order to make space in the glove box for the laser ablation system.

Cost Performance

This task is over spent by \$37,201 (20%) at LLNL because January funding was reduced to the level of the December overage. Work continued under other LLNL weapons program funding sources.

No significant cost variance at WSRC.

Schedule Performance

None.

Issues and Risk

WSRC work will continue on this task but LLNL budget for equipment development and testing has been eliminated.

2.2.3.9 Material Control and Accountability

Participant: WSRC

Summary of Progress

The MC&A SDD has been modified to reflect the scope change to a 13 MT throughput facility. Comments from LLNL have been incorporated in the final draft. The edit and review process has required more effort than anticipated in August when the schedule was established. The SDD will be issued in February 2001.

Cost Performance

No significant cost variance.

Schedule Performance

No significant schedule variance.

Issues and Risk

None.

2.2.3.10 In-Process Storage Vault

Participant: WSRC

Summary of Progress

The SDD has been modified to reflect the scope change to a 13 MT throughput. Comments from LLNL have been received and incorporated in the final draft. The edit and review process has required more effort than anticipated in August when the schedule was established. The SDD will be issued in February 2001.

Cost Performance

No significant cost variance.

Schedule Performance

Milestone 2.2.3.10/FY01/a, *Provide Draft SDD*, was due 12/31/00. Completion of this milestone will be delayed due to limited resource availability in completing the overall project SDD package. The delay is not likely to affect the overall project schedule because the two independent reviews and start of preliminary design will be delayed until FY 2002 due to budget reductions announced in December.

Issues and Risk

2.2.4 First-Stage Immobilization Process and Equipment Development

2.2.4.1 Ceramic Feed Blending and Batching

Participant: WSRC

Summary of Progress

- The FY 2001 funding for this task was reduced. The blender testing is therefore being postponed until FY 2002. WSRC asked COGEMA for a blender testing quote that will be valid until December 2001, but the COGEMA initial response was that they couldn't hold a price quote that long. WSRC will therefore prepare the procurement package so it is ready to be reinstated late in FY 2001 for placement early in FY 2002.
- The SDD has been modified to reflect the scope change to a 13 MT throughput. Revision D of the SDD was issued in January.

Cost Performance

No significant cost variance.

Schedule Performance

- Milestone 2.2.4.1/FY01/a, Provide Draft SDD, was due 12/31/00. Revision
 D of the SDD was issued in January 2001, thereby completing this milestone
 commitment. The delay will not impact the overall project schedule.
- The milestone 2.2.4.1/FY01/b, *Complete Blender Test At Vendor*, will be delayed until FY 2002 due to funding reductions in the Pu Immobilization Program.

Issues and Risk

The blender testing procurement will be delayed if the procurement package can not be reinstated later in FY 2001. A new procurement package will take months to place. Delaying feed material blender testing in FY02 will eliminate any recovery time from problems prior to PIP design start.

2.2.4.2 Ceramic Process and Equipment Development and Testing

2.2.4.2.1 Ceramic Process Development

Participant: LLNL

Summary of Progress

- Impurity testing with full-size pucks continued at LLNL. The focus for the month was to try to determine the differences in sintering behavior between granulated powder and direct feed powder for compositions containing impurities.
- Scanning Electron Microscopy (SEM) results for the attritor mix studies with uranium were returned from Sandia. The intent of the studies was to determine the minimum mix time for feed powder that has to be both milled and mixed, as is the case with the hafnium-cerium-uranium baseline

formulation. Little difference was seen between the phases formed in the pucks from each of the different mixing times. However, there was a slight difference in phase composition and distribution for the 1-minute mix versus the 3 and 5-minute mix pucks. All other results (particle size distribution of the milled powder and density and X-ray diffraction of the pucks) showed little variation. The results of this testing will be documented so a baseline mill/mix time can be established for the PuCTF runs.

Cost Performance

No significant cost variance.

Schedule Performance

None.

Issues and Risk

The biggest unknown in the process development area remains the plant-sintering schedule needed to minimize the number of plant furnaces. Work is proceeding at LLNL with the binder burnout furnace and at Clemson with the plant-prototypical size furnace to resolve this issue.

2.2.4.2.2 Pu Ceramic Test Facility (PuCTF)

Participants: LLNL and WSRC

Summary of Progress

- Installation of the PuCTF continues. The attritor glovebox and bases were assembled and attached to the granulator glovebox.
- The new Puck Measuring Station electronic box has been designed.
 Component detail designs have been completed and parts are currently being fabricated. All station components should be ready for assembly by mid-February.
- The Supervisory Control System work continued with integration with the Hopper Transport Control Program using the CTC Controller network driver.

Cost Performance

No significant cost variance.

Schedule Performance

No significant schedule variance.

Issues and Risk

Accomplishing work on a timely basis in The Plutonium Facility remains a concern. Access to the building and availability of the crafts to do the work continue to be issues.

2.2.4.2.3 Ceramic Prototype Test Facility (CPTF)

Participants: WSRC and Clemson

Summary of Progress

- Two additional fully-integrated furnace runs using annular space cooling air, purge air, water cooling, and the exhaust gas system ventilation were performed. The stack of four walled heavy trays was used for both of the runs. During one of the tests, the tray stack was elevated off the door to determine if this would improve heating of the lower trays by reducing thermal conductivity between the tray stack and the door and by raising the trays higher in the furnace chamber. Other variables evaluated during the tests included covering the top tray to minimize airflow over the top pucks and controlling leakage air into the furnace during cooling. One of the variables tested for controlling leakage air was to remove the bottom annular space access panels, which was intended to minimize the amount of air transferred into the furnace cavity through the bottom door. Initial results showed both of these changes had a positive effect on improving temperature distribution through the tray stack. The effects of these variables on the puck and tray integrity and cycle time will continue to be investigated.
- The Clemson Environmental Technologies Laboratory (CETL) has been awarded a DOE-SR cooperative agreement for the design, fabrication, and construction services of the CPTF. The Scope of Work includes facility modifications/additions necessary to install full-scale equipment associated with first stage immobilization. A kick-off meeting was held with CETL, Clemson University Facility personnel, and the A&E, to discuss the equipment to be installed and the modifications necessary. It is anticipated that the actual contract to the A&E will be let in February. Design will be completed in March, and construction will begin shortly thereafter.
- The Task Technical and QA Plan for the CPTF, which was updated to reflect the changes in scope and personnel roles and responsibilities, has been approved and will be issued in February. Included in the changes are the controls to be used for experiments to support repository qualification and the plant design (FDD and SDD related).
- The delivery for the HSA-20 attritor has been slightly delayed until mid-February. This will not impact any of the CPTF milestones.
- The specifications for the granulator have been issued and a kickoff meeting will be held with the vendor. The delivery date for the granulator is the summer of 2001.
- The assembly drawings for the press have been reviewed and approved. The press has been released for fabrication. An additional procurement for upgrades to the press, including the dust control system and direct feed modification, has been transmitted to CETL.
- New four wall trays have been ordered with shorter sidewalls to permit an
 overall shorter stacked assembly of furnace trays. The new trays, once
 delivered to SRS, will be shipped to a second vendor for application of a
 chemical barrier to minimize puck/tray interactions.
- The process development work with the baseline hafnium-cerium-cerium composition has been completed for the direct fabrication process. The feed

preparation parameters, binder composition, compaction pressure, compaction rate, die design, sintering rate, hold times, and purge rates have been optimized to consistently produce crack-free pucks on a lab-scale. Process limits for the critical processing variables have been established. Some of these processing conditions will need to be adjusted for the full-size production equipment. Tests will be started next month to evaluate the effects of impurities on the puck quality and to determine if the process conditions can be adjusted to minimize the detrimental effects of impurities. Pucks using the baseline hafnium-cerium-uranium composition and the direct-feed process will be made at LLNL using feed supplied from CETL. In preparation for these activities, surrogate powder and the laboratory procedure have been shipped to LLNL. This work is being done to develop a baseline in advance of Hf-Ce-U testing of the direct fabrication process.

• 2-D analysis was used to determine if the puck-handling robot could acquire and palletize a green puck with the new CPTF press design (platen raised to accommodate direct feed) and the existing design of the stacker/unstacker (SUS). The major change in the press design was that the puck-eject height exceeded the working envelope of the robot. By repositioning of the robot, press and SUS, analyses showed the tasks could be performed within the working envelope of the robot. The puck handling robot mockup was modified to the new configuration and the robot successfully acquired a green puck from the press platen position and successfully reached into the SUS to place a puck in the furthest corner of the furnace tray. The changes in positioning are being incorporated into the CPTF layout.

Cost Performance

No significant cost variance.

Schedule Performance

No significant schedule variance.

Issues and Risk

- The furnace cycle time continues to be the biggest unknown. Recent test results have been encouraging in reducing the cycle time. However, optimization of the furnace heating/cooling rate and other operating parameters must consider the impacts to the furnace components, sintering furniture, and pucks. Testing in the CPTF prototype furnace will continue to provide insight into the parameters affecting the furnace cycle time, including whether puck integrity is the limiting factor.
- Changes to the existing furnace tray configuration or material could impact the overall CPTF schedule if the design of the tray stacker is affected.

2.2.4.3 Puck NDE/MC&A for Process Control and SNM Accountability

Participants: LLNL and WSRC

Summary of Progress

The prototype x-ray diffraction system was received at WSRC and installation in the laboratory completed. Acceptance testing of the unit, however, has indicated an alignment problem. The problem has been narrowed to

misalignment of the sample stage or an eccentric goniometer. The sample stage misalignment should be relatively easy to repair. However, repair of the goniometer would require shipment back to the vendor in Germany and a potential several month delay.

Cost Performance

No significant cost variance`.

Schedule Performance

- The degree of complexity of the XRD unit alignment problem could significantly impact testing.
- Although the x-ray diffraction unit has been installed, the intent of milestone 2.2.4.3/FY01/b, *WSRC NDE XRD plant prototype test system installed*, was not met in January, 2001 due to the alignment issue with the instrument. The delay of this milestone will not impact the project schedule, however, due to delay in generation of SDDs and subsequent plant design.

Issues and Risk

None.

2.2.4.4 Recycle of Unacceptable Materials

Participant: LLNL

Summary of Progress

This task is no longer funded for FY01.

Cost Performance

No significant cost variance.

Schedule Performance

No significant schedule variance.

Issues and Risk

None.

2.2.4.5 Can Loading

Participant: WSRC

Summary of Progress

- WSRC revised the can loading task plan to reflect the FY 2001 budget changes. The remaining can loading D&T milestone for FY 2001 is to demonstrate loading of variable height pucks by 8/30/01.
- WSRC received and installed a vacuum sensor that will be tested as a
 method to allow pick up of different height pucks. As the can loading robot
 moves down to grab a puck, the vacuum sensor will monitor the pressure in
 the puck lifting vacuum line. When the tool reaches the puck, the vacuum

sensor will indicate the pucks presence on the tool and the robot controller can then use the current robot position to pick up the puck. This information can also be used to place the puck on a scale and measuring station before placing the puck in the can.

Cost Performance

No significant cost variance.

Schedule Performance

Milestone 2.2.4.5/FY01/a, *Provide Draft SDD*, was due 12/31/00. Completion of this milestone will be delayed due to limited resource availability in completing the overall project SDD package. The delay is not likely to affect the overall project schedule because the two independent reviews and start of preliminary design will be delayed until FY 2002 due to budget reductions announced in December.

Issues and Risk

None.

2.2.4.6 Can MC&A

Participant: WSRC

Summary of Progress

- The MC&A SDD has been modified to reflect the scope change to a 13 MT throughput facility. Comments from LLNL have been incorporated in the final draft. The edit and review process has required more effort than anticipated in August when the schedule was established. The SDD will be issued in February 2001.
- Testing of the calorimeter continues. Tests to date indicate a longer cycle time than desired. This issue could require the need for additional calorimeters in the PIP facility or upgrades to the equipment to reduce cycle times.

Cost Performance

This task is under spent by \$ 947 (11%) at WSRC due to less calorimeter testing than was originally anticipated. Testing time is expected to increase in February. This cost variance will not adversely impact the project.

Schedule Performance

No significant schedule variance.

Issues and Risk

Preliminary testing indicates that calorimeter cycle time is longer than desired.

2.2.5 Second-Stage Immobilization Process and Equipment Development

2.2.5.1 Can-in-Canister System

2.2.5.1.1 Can-in-Canister Design and Assembly

Participant: WSRC

Summary of Progress

- The Can-in-Canister SDD has been modified to reflect the scope change to a 13 MT throughput. Revision E of the SDD was issued in January.
- Preparations continue for the installation of the canister loading arm in Building 773-50A.

Cost Performance

No significant cost variance.

Schedule Performance

Milestone 2.2.5.1.1/FY01/a, *Provide Draft SDD*, was due 12/31/00. Revision E of the SDD was issued in January 2001, thereby completing this milestone commitment. The delay will not impact the overall project schedule.

Issues and Risk

None.

2.2.5.1.2 Canister Pour Analysis and Testing

Participants: LLNL and WSRC

Summary of Progress

- The Phase 2 Cold Pour Test report was issued, satisfying the 12/31/00 milestone, *Complete Phase 2 Cold Pour Test Report*.
- Work continued on the Cold Pour Test Task Data File. This Task File will be used mainly to provide Phase 2 test quality assurance documentation.
- The top weld on the second proliferation canister filled during the Phase 2 Test was approved by SRS Receipt and Inspection personnel.

Cost Performance

This task is under spent by \$38,374 (35%) due to anticipated undercharge from SCUREF. This cost variance will be corrected next month and will not adversely impact the project.

Schedule Performance

No significant schedule variance.

Issues and Risk

2.2.5.1.3 Can/Magazine Storage Vault

Participant: WSRC

Summary of Progress

The Can/Magazine Storage Vault information in the Can-In-Canister SDD was revised for the 13-MT throughput of the Plutonium Immobilization Plant. Revision E of the SDD was issued in January.

Cost Performance

No significant cost variance.

Schedule Performance

No significant schedule variance.

Issues and Risk

None.

2.2.5.2 Canister Transport System

Participant: WSRC

Summary of Progress

- The SDD has been modified to reflect the scope change to a 13-MT throughput. Revision E of the SDD was issued in January.
- No further activity is anticipated for this task in FY 2001.

Cost Performance

No significant cost variance.

Schedule Performance

No significant schedule variance.

Issues and Risk

None.

2.2.5.3 DWPF Receipt and Handling

Participant: WSRC

Summary of Progress

The System Design Description for DWPF Receiving and Handling was revised to reflect the 13-MT throughput of the Plutonium Immobilization Plant. Revision E of the SDD was issued in January.

Cost Performance

No significant cost variance.

Schedule Performance

No significant schedule variance.

Issues and Risk

2.3 D&T for Form Qualification

2.3.1 Form Performance Testing and Dissolution Modeling

2.3.1.1 Radiation-Damage Sample Synthesis and Characterization

Participant: PNNL

Summary of Progress

- Analyses of the XRD results are nearly complete for the specimens that have been stored at room temperature. The latest results do not alter the conclusions reached last month (i.e., that pyrochlore is susceptible to radiation damage. Damage also occurs to the zirconolite phase, but the damage does not appear to be as severe).
- The next characterization awaits reviews of our work procedures. A review of the procedures is necessary to make sure that we have minimized the chances for personnel exposure and potential spread of contamination. It is estimated that the next characterization may be delayed by two months.
- In our MCC short-term static leach tests of the specimens stored at ambient, we found little or no change compared to the initial characterization in uranium release for the 238 Pu- pyrochlore (4.5·10⁻³ [Dec 2000] vs 4.6·10⁻³ g/m² [Dec 1999]), coarse pyrochlore (1.4·10⁻³ vs 3.7·10⁻³ g/m²), and pyrochlore-rich baseline (2.5·10⁻² vs 2.6·10⁻² g/m²). The 238 Pu- baseline with impurities showed a reduction in uranium release (not measurable *vs* 3.1·10⁻³ g/m²). The ceramics containing 238 Pu-zirconolite showed significant increases in U release with the phase pure zirconolite releasing 0.12 *vs* 0.031 g/m², the coarse zirconolite releasing 0.2 *vs* 0.03 g/m², and the zirconolite-rich baseline releasing 3 *vs* 0.04 g/m². This suggests that significant changes are occurring in the zirconolite rich materials.

Cost Performance

This task is within 10% of the planned cost (relative to the rebaselined budgets after accommodating the recent budget reductions.)

Schedule Performance

We are on schedule for the milestone 2.3.1.1/FY01/a (a letter report on the results from the characterization and testing of the radiation damage specimens). The delay because of the procedure review will impact the amount of data in the milestone report.

Issues and Risk

2.3.1.2 Short-Term Corrosion Tests

Participant: ANL

Summary of Progress

A series of MCC-1 tests with the baseline (A0) ceramics were initiated and terminated in August. The tests were conducted at 90° C in deionized water for 1, 3, 5, 7 and 42 days using PDA-Teflon vessels. The pH values of the test leachates and blanks are between 5 and 6. Solutions from these tests have been analyzed. A quick examination of these data show that the background is very low in MCC-1 tests conducted in Teflon vessels and that the normalized release rate, based on uranium, was about $6x10^{-4}$ g/(m² day). This rate is consistent with previous measurements. Due to budget reductions, no additional work will be conducted on this task for the remainder of this year. (ANL)

Cost Performance

This task is within 10% of the planned cost (relative to the rebaselined budgets after accommodating the recent budget reductions.)

Schedule Performance

Due to budget reductions, Milestone 2.3.1.2/FY01/b, *Document results of short-term testing of the ceramic*, has been deleted.

Issues and Risk

None.

2.3.1.3 Long-Term Corrosion Tests

Participant: ANL

Summary of Progress

- A 182-day PCT-B test with the A0-LLNL ceramic, scheduled for termination in October, was terminated in November. Leachant and strip samples have been submitted for metals analysis; transmission electron microscopy analysis of the colloids sample has begun. Data from this test will be compared to data from the 98-day test with the same ceramic and to data from tests with the B3-13 impurity-bearing ceramic.
- A 728-day PCT-B test with A0-ANL was terminated in January. Leachant
 and strip samples have been submitted for metals analysis; transmission
 electron microscopy analysis of the colloids sample has begun. Data from
 this test will be compared to data from previous tests with the same ceramic
 to describe reaction progress. The reacted ceramic will be examined to
 determine whether the brannerite is being preferentially dissolved.
 Preferential dissolution of brannerite was observed during the reaction of a
 zirconolite-rich ceramic, and was thought to lead to increased release of Gd
 and Pu from that ceramic.

Cost Performance

This task is within 10% of the planned cost (relative to the rebaselined budgets after accommodating the recent budget reductions.)

Schedule Performance

Work is on schedule for delivery of milestone 2.3.1.3/FY01/a, *Document results of long-term testing of ceramic*.

Issues and Risk

None.

2.3.1.4 Integrated Corrosion Tests

Participants: ANL and PNNL

Summary of Progress

- The long-term unsaturated "drip" tests with the Hf-Pu-U baseline ceramic were scheduled to be sampled during August, but have been delayed due to laboratory modifications. Before these tests can be sampled, they must be transferred into the glovebox. This required changes in the injection system and the oven interior; these changes have been completed. These tests will be sampled in early February. Solution analyses will include pH and cation concentrations. Colloid analyses will include sequential filtration, dynamic light scattering, and TEM. Solids analyses will include SEM and TEM of the reacted particles. (ANL)
- A new oven has been designed and built in the testing glovebox. The completion of this oven will allow us to move the PCT-B tests from the existing oven, giving us the room to move the unsaturated drip tests into the glovebox. The oven is complete and is currently being tested. A revised safety review and QA documentation are being prepared. (ANL)
- Work this month focused on updating procedures and preparing for a safety review by the 325 Bldg Internal Review Committee (IRC). A pressure safety evaluation for the PUF column was an initial requirement. The stainless steel split column design was approved for use by a pressure-systems engineer. (PNNL)
- The procedure Pressurized Unsaturated Flow Test at Elevated Temperatures (G-20-PUF) was revised in preparation for IRC review. Radiological Control variances were updated with supplemental information on the ²³⁸Pu and ²³⁹Pu loading in the PUF columns. (PNNL)

Cost Performance

This task is within 10% of the planned cost at ANL and PNNL (relative to the rebaselined budgets after accommodating the recent budget reductions.)

Schedule Performance

- Due to budget reductions, Milestone 2.3.1.4/FY01/b, *Issue report on status of drip tests*; has been changed from a detailed report to a short letter report. In addition, tests with impurity ceramic will not be initiated this year. (ANL)
- We are a couple of months behind schedule for the start of the test with ²³⁸Pupyrochlore baseline ceramic, but the preliminary report (milestone 2.3.1.4/FY01/b) is on schedule. The duration of the tests reported on in this

report, however, will be shorter than planned, and hence the quantity of data reported on will be less.

Issues and Risk

None.

2.3.1.5 Single-Pass Flow-Through Tests

Participants: LLNL, ANL, and PNNL

Summary of Progress

- Dissolution experiments with 'cold' (i.e., non-radioactive) zirconolite materials over the pH interval 2-10 at 90°C are running. These experiments will yield a good basis of comparison for ²³⁹Pu- and ²³⁸Pu-doped materials. (PNNL)
- Analyses of Pu from ²³⁹Pu- and ²³⁸Pu-doped pyrochlore and pyrochlore-rich baseline ceramics are unavailable at this time. (PNNL)
- All SPFT experiments at LLNL have been terminated. The analytical results from archived SPFT solution samples were received and the data recorded. Solids were archived for later analysis. (LLNL)

Cost Performance

This task is within 10% of the planned cost at PNNL and LLNL (relative to the rebaselined budgets after accommodating the recent budget reductions.)

Schedule Performance

- PNNL is on schedule to deliver milestone 2.3.1.5/FY01/a, *Update the repository data package with results from the SPFT on radiation damage specimens and LLNL tests.*
- A draft of the LLNL FY00 milestone FY00/4.1.2, *Update SPFT report with results from longer-term testing*, is complete, and is being forwarded to the Project leader for transmission to DOE. This report was delayed due to illness and unplanned leave by personnel funded under this task in FY00.

Issues and Risk

None.

2.3.1.6 Dissolution Model Development

Participant: LLNL

Summary of Progress

- The second interim modeling report will be completed by the end of January.
- Work on the Hydrothermal Atomic Force Microscopy experiments aimed at detecting dissolution in real time has been halted.
- Due to budget reductions, no additional work will be performed in this task in FY01.

Cost Performance

This task is within 10% of the planned cost (relative to the rebaselined budgets after accommodating the recent budget reductions.)

Schedule Performance

A draft of the LLNL FY00 milestone FY00/4.1.4, *Issue final report on model development for repository PA*, is undergoing internal review. This report was delayed due to illness and unplanned leave by personnel funded under this task in FY00. The report is now expected to be completed by March 1, 2001.

Issues and Risk

None.

2.3.2 Thermodynamic Data Determination and Validation

2.3.2.1 Aqueous Solubility/Speciation Measurements

Participants: LLNL and PNNL

Summary of Progress

There is no new work planned in this task for FY01. The only ongoing activities relate to the completion of two FY00 milestones, and the transfer of notebooks and records to QA and the records center.

Cost Performance

No costs to report. Closeout costs for this task are included in the costs for the Form Qualification and Repository Interactions Task.

Schedule Performance

This task is complete

Issues and Risks

Reconnaisance experiments conducted at PNNL in late FY00 indicated that the solubility of Hf is strongly enhanced by the presence of carbonate. This behavior was totally unexpected, and could have important implications as to the mobility of Hf (the backup neutron absorber) under repository conditions. Our current plans and funding call for termination of this task in FY01. We will reassess the appropriateness of this plan and make a recommendation as to the continuation of this task when final budgets are available. RW has been informed of these results and is looking into the potential impact on their analyses. Because Hf has been proposed as the primary neutron absorber for waste packages containing some DOE spent fuels, this result may have implications that extend beyond the Pu Immobilization Program.

2.3.2.2 Solid-Phase Enthalpy and Entropy Measurements

Participants: LLNL, UC Davis, and BYU

Summary of Progress

This task is complete.

2.3.4 Form Qualification and Repository Interactions

Participants: LLNL, WSRC, ANL, and PNNL

Summary of Progress

- Several conference calls were held in January with DOE EM and RW to discuss the latest revision of the Waste Acceptance Systems Requirements Document (WA-SRD). An additional drop test requirement was added for the IPWF. RW is to distribute another draft revision for review in the next few weeks.
- The draft Plutonium Immobilization Product Specifications (PIPS) are ready to be distributed. However, DOE EM has asked that we wait until resolution of the WA-SRD. Due to the delay in issuance of the WA-SRD a decision will be made for the path forward on issuing the PIPS.

Cost Performance

This task is within 10% of the planned cost (relative to the rebaselined budgets after accommodating the recent budget reductions.)

Schedule Performance

- Issuance of the PIPS has been delayed until issues related to new requirements on the IPWF in the latest draft version of the WA-SRD have been resolved.
- Due to budget reductions, the FY01 milestone 2.3.4/FY01/a (Issue PICP) has been deferred until FY02.

Issues and Risks

The major risk to the qualification program is the delay in issuing the PIPS and the ownership definition for the IPWF.

3 Technology Transfer

3.1 Preparation for Design Start: Site Operations Team

Participant: WSRC

Summary of Progress

Activity associated with preparation of design start has been terminated due to budget reductions announced in December. This activity will be delayed into FY 2002 as the design start date is rescheduled.

Cost Performance

No significant cost variance.

Schedule Performance

This task will be delayed as the design start date is rescheduled.

Issues and Risk

Budget reductions will delay the start of design and associated activities.

Appendix A1: FY00 AOP Milestones Status Summary for January 2001

WB:	Task		Milestones	Resp. Site		Due Date	Anticipate d Comp Date	% Comp	Draft Report Complete	Final Report Complete	Status/ Comments	5
1.0	Program Management											
	FY99 Milestones											
1.1	Project Office	b.	Complete draft project management plan	LLNL		Jan-99		100	1/31/00		PIP 00-006 Sent to MD for re	eview
	FY00 Milestones	_										
1.1	Project Office	а	Provide revised integrated D&T plan	LLNL		Nov-99		100		Mar-00	PIP-00-035	
1.2	QA	a.	Complete management assessment rpt	LLNL		Sep-00	Sep-00	100		Sep-00	PIP 00-117LTR	
			Complete annual audit	LLNL		Sep-00	Sep-00	100		Sep-00	PIP 00-115LTR	
1.3	Document Control	а	Provide DCC annual report	LLNL		Sep-00	Dec-00	100		12/12/01	PIP-00-154	
2.0	Technical Support											
	FY98 Milestones	_										
2.1	Feed Materials Definition and Characterization	b.	Update the feed materials characterization report	LLNL	ı	Feb-99		100		11/4/99	PIP 99-148	
	FY99 Milestones	_										
2.1	Feed Materials Characterization and Blending		Update feed materials blending strategy report	LLNL		Mar-99		100		12/8/99	PIP 99-170	
			Complete cost-benefit analysis for sampling plan	LLNL		Sep-99		100	Jan-00	6/30/00	PIP 00-002	
			Update the feed materials characterization report	LLNL		Sep-99		100		11/4/99	PIP 99-148	
2.4	Material Transport System	a.	Complete material transport system plan	WSRC		Sep-99		100	Jan-00	7/28/00	PIP 00-092LTR	
	FY00 Milestones	\vdash										
2.1	Feed Materials Characterization and	1	Revised draft of the feed materials								Milestone will be assessment of RF	FETS
2.1	Blending	ļ '	characterization report	LLNL		May-00	Mar-01	90	Jan-01		inventory and was delayed pendir Gray return.	
2.3	Technical Integration	1	Draft Facility Design Description	LLNL		Jul-00		100	Jul-00	7/21/00	PIP 00-067LTR	
		2	Draft System Design Description for	WSRC		Jul-00	30-Sep	100		9/15/00	PIP 00-092/PIP 00-056L	TD
			Material Transport				оо сор					. 1 K
			Waste Handling practices evaluation	WSRC		Mar-00		100	2/30/00	3/30/00	PIP 00-091	
		4	Draft System Design Description for Waste Handling	WSRC		Apr-00	09/30/00	100	30-Sep	9/15/00	PIP 00-057LTR	
•	Immobilized Francisco											
3.0	Immobilized Form Developmen	1t 										
3.4	Process Control Model Development	a.	Provide interim data summary report	LLNL& ANSTO		Jul-99	06/30/00	100		7/20/00	PIP 00-094	
		b.	Complete equilibrium phase diagram and 2. inpurity studies sample fabrications	LLNL&		Sep-99	03/15/00	100		2/16/00	PIP 00-016	
	EVOQ. Milesten			ANSIO								
2.4	FY00 Milestones	1	Dravida formulation undata for the CDD	LINI		Dag 00	09/24/02	100			DID 00 144	
3.1	Basic Formulation and Process Parameters?		Provide complementary report in connect	LLNL		Dec-99	08/31/00	100		11/20/00	PIP 00-141	
3.2	Form Qualification Samples and Data	1	Provide supplementary report in support of the licensing application	LLNL		Jul-00	08/31/00	100		11/20/00	PIP 00-141	
3.3	Product Control Model Development	1	Provide PCM methodology for preliminary testing	LLNL		Dec-99	02/29/00	100		2/28/00	PIP 00-036	

WB	t Task	Milestones	Resp. Site		Due Date	Anticipate d Comp Date	% Comp	Draft Report Complete	Final Report Complete	Status/ Comments
4.0	Performance Testing & Qual	ification for Repository								
	FY99 Milestones									
4.1	Form Performance Testing & Dissolution Modeling	e. Issue data package on SPFT results for repositorv license application f. Issue interim report on model	LLNL		Jun-99		100		1/19/00	PIP 00-003
		development for repository license application	LLNL		Jun-99		100		1/19/00	PIP 00-003
4.3	Form Qualification and Repository Interactions	b. Issue Rev0 of PIPS	WSRC		Aug-99		100		1/19/00	PIP 00-004
	FY00 Milestones									
4.1	Form Performance Testing & Dissolution Modeling	Document baseline characteristics of 238Pu ceramic samples	PNNL		Apr-00	06/30/00	100	5/1/00	6/2/00	PIP 00-081
	Dissolution wodeling	2 Update SPFT report with results from longer-term testing	LLNL		May-00	02/01/01	99	8/10/00		Manuscript in final review
		3 Document results of short-term testing of the ceramic	ANL		Jun-00	06/30/00	100	5/8/00	6/30/00	PIP-00-096
		4 Issue final report on model development for repository PA	LLNL		Jun-00	02/01/01	95			Manuscript in review
		5 Document results of long-term testing of the ceramic	ANL		Aug-00	09/29/00	100	8/16/00	Sep-00	PIP 00-120LTR 11/11/00
		6 Issue report on status of drip tests and VHT interaction tests	ANL		Aug-00	08/15/00	100	7/26/00	9/15/00	PIP 00-109LTR
		7 Letter report on status of 238PU radiation damage effects	PNNL		Sep-00	09/01/00	100	8/15/00	9/15/00	PIP 00-110LTR
4.2	Thermodynamic Data Determination and Validation									
		2 Issue final report on Ti solubility and speciation	LLNL		Aug-00	10/15/00	100	10/30/00	11/22/00	PIP-00-148
		3 Issue final report on Hf solubility and speciation	PNNL		Aug-00	08/10/00	100	8/20/00	9/15/00	PIP 00-108
		4 Issue report on Pu and Gd sorption on colloids	LLNL		Aug-00	10/20/00	100	10/15/00	11/30/00	PIP-00-156
4.3	Form Qualifications and Repository	1 Provide initial draft of PICP	WSRC		Sep-00	10/20/00	100	11/21/00	11/21/00	PIP-00-149
	Interactions	2 Issue integrated data report for repository	LLNL		Aug-00	10/31/00	100	1/31/01	1/25/01	PIP-01-004
		licensing application			-					
5.0	Plutonium Conversion Proce	ess/Equipment Development								
E 4	FY99 Milestones	d Disco orders for an arising a suite and	Mede		Sep-99		100		11/22/99	DID 00.464
5.4 5.5	Material Unpackaging and Sorting Metal Fuel Feed Preparation	d. Place orders for opening equipment a. Procure mechanical systems and electronic	WSRC		Sep-99 Mar-99		100		11/22/99	PIP 99-168
5.6	Metal Conversion	controls a. Perform feasibility demonstrations on Pu- Al allovs	LLNL		Jun-99	08/15/00	90	12/15/00		PIP 00-151
		b. Procure remaining mechanical systems and electronics	LLNL		Jun-99		100		11/23/99	PIP 99-169
		d. Prepare area in Bldg 332 at LLNL	LLNL		Sep-99		100		1/11/00	PIP 99-177
5.8	Materials Characterization	a. Initiate design of prototype materials characterization system	LLNL& WSRC		Jan-99		100		11/22/99	PIP 99-157

WBS	Task	Milestones	Resp. Site		Due Date	Anticipate d Comp Date	% Comp	Draft Report Complete	Final Report Complete	Status/ Comments
	FY00 Milestones									
5.1	Material Receipt and Storage	Provide draft preliminary SDD for plant design	WSRC		Apr-00	07/28/00	100	3/24/00	6/27/00	PIP-00-041
5.2	Oxide Fuel Feed Preparation	1 Provide draft preliminary SDD	WSRC		Apr-00	09/30/00	100		9/19/00	PIP 00-114LTR 9/25/00
		2 Initiate test of key system components	WSRC		Jul-00		100		10/11/00	PIP 00-123LTR
5.3	Material Size Reduction	Evaluate industry capabilities and write report	LLNL		Dec-99	06/30/00	70	N/A	N/A	Summary of work was incorporated into SDD. See
		2 Provide draft preliminary SDD	LLNL		Apr-00	06/30/00	100			PIP-00-042 LTR 8/30/00
		3 Produce oxide powder for PuCTF	LLNL		Sep-00	N/A	N/A	N/A	N/A	Task was never started because task was cancelled.
5.4	Material Unpackaging and Sorting	1 Draft preliminary SDD	WSRC		Apr-00	07/28/00	100	May-00		PIP-00-043 LTR 8/30/00
		2 Complete testing of opening equipment	WSRC	;	Sep-00	09/30/00	80		9/19/00	PIP 00-118LTR 10/11/2000
5.5	Metal Fuel Feed Preparation	1 Complete integrated system prototype assembly	LLNL		Dec-99	07/28/00	95	2/11/00		Work stopped and was documented in SDD. See 5.5.2
		2 Provide draft preliminary SDD	LLNL		Apr-00	07/28/00	95	2/11/00	10/3/00	PIP-00-021
		3 Move system into Radiation Material Management Area	LLNL		Jul-00	N/A	N/A	N/A	N/A	Task was never started because task was cancelled.
		4 Initiate hot tests	LLNL	,	Aug-00	N/A	N/A	N/A	N/A	Task was never started because task was cancelled.
5.6	Metal Conversion	1 Complete integrated system assembly	LLNL	1	Nov-99	08/15/00	100			PIP-00-099
		2 Provide draft preliminary SDD	LLNL		Apr-00		85		28-Feb	Milestone moved into FY01 AOP
		3 Move system into Radiation Material Management Area	LLNL		Jul-00				28-Feb	Milestone moved into FY01 AOP
		4 Initiate hot tests	LLNL		Aug-00				14-Jun	Milestone moved into FY01 AOP
5.7	Impure Oxide Feed Preparation	1 Obtain and install RIAR salt washer	LLNL		Mar-00	10/15/00	50		30-Mar	This effort has been cancelled because of lack of funding. The milestones have been suspended until funding is available.
		2 Provide draft preliminary SDD	LLNL		Apr-00	07/15/00	95			PIP-00-045 LTR 8/30/00
		3 Perform feasibility demonstration	LLNL	:	Sep-00				30-May	Milestone moved into FY01 AOP
5.8	Materials Characterization	1 Procure/receive instrumentation	LLNL		Jan-00	08/30/00	100			PIP-00-134
		2 Provide draft preliminary SDD	LLNL		Apr-00	07/28/00	100		Jul-00	PIP-00-090
		3 Instrumentation installation complete	LLNL		Jun-00				06/30/01	Milestone moved into FY01 AOP
5.9	Material Control and Accountability	1 Develop and evaluate equipment options	WSRC		Jan-00	06/28/00	100		Jun-00	Complete. in SDD, PIP-00- 055
		2 Provide draft preliminary SDD	WSRC		Apr-00	06/28/00	100		Jun-00	Complete. in SDD, PIP-00- 055
5.10	In-process Storage Vault	1 Provide draft preliminary SDD	WSRC		Apr-00	06/28/00	100		6/29/00	PIP-00-046
		2 Provide SDD	WSRC		Sep-00	12/01/00	100			PIP-00-046

WBS	Task	Milestones	Resp. Site	Due Date	Anticipate d Comp Date	% Comp	Draft Report Complete	Final Report Complete	Status/ Comments
6.0	First-Stage Immobilization P	rocess/Equipment Development							
	FY00 Milestones								
3.1	Ceramic Feed Batching	1 Provide draft preliminary SDD	WSRC	Apr-00	07/28/00	100			PIP-00-048
		2 Approve Blender Design (formerly Complete Mockup Installation)	WSRC	Jul-00		100		11/17/00	PIP 00-142LTR
5.2	Ceramic Subsystem Development and Testing	1 Puck automated handling system fabricated	WSRC	Jan-00		100			PIP 00-026
		2 PuCTF tested with surrogatesin Bldg 241	LLNL	May-00	06/30/00	100			PIP 00-087
		3 LLNL Pu facility space prepared for installation of PuCTF	LLNL	May-00	12/29/00	100			PIP 00-155
		4 Provide draft preliminary SDD defining preliminary baseline	LLNL	Apr-00	06/30/00	100			Ltr PIP-00-049
		5 CPTF design started	WSRC	Aug-00	09/30/00	100			PIP 00-121LTR 10/11/00
3.3	Puck NDE for Process Control	1 XRD NDE plant design spcifications	WSRC	Oct-99	01/31/00	100			PIP 00-015
		2 Draft preliminary NDE SDD	LLNL	Apr-00	06/30/00	100			PIP-00-080LTR
5.4	SNM Accountability	Provide draft MC&A preliminary SDD	LLNL	Apr-00	06/30/00	100			PIP-00-080LTR
6.5	Recycle of Unacceptable Materials	Provide draft Recycle preliminary SDD	LLNL	Apr-00	06/30/00	100			PIP 00-049
5.6	Can Loading	1 Provide draft Can Loading preliminary SDD	WSRC	Apr-00	06/28/00	100		7/10/00	PIP-00-050
_		2 Automated can loading and swiping demonstration complete	WSRC	Sep-00		100			PIP 00-135LTR 11/8/00
5.7	Can MC&A	Preliminary can MC&A requirements and potential analytical techniques determined	WSRC	Apr-00	09/30/00	100		6/1/00	In SDD, PIP-00-055
		2 Provide draft Can MC&A preliminary SDD	WSRC	May-00	07/28/00	100		6/1/00	In SDD, PIP-00-055
6.8	Can Storage Vault	Provide draft Can Storage Vault preliminary SDD	WSRC	May-00	06/28/00	100	I	7/11/00	Combined with CIC system. PIP-00-051
7.0	Second-Stage Immobilization	Process/Equipment Development							
	FY99 Milestones								
7.1.1	Can-in-Canister System	Provide magazines and racks for phase 1 cold pour tests	WSRC	Mar-99		100	10/26/99	11/16/99	PIP 99-163
		b. Complete phase I cold pour tests and provide analysis report	WSRC	Sep-99	12/15/99	100			PIP 00-018
	FY00 Milestones	provide analysis report							
7.1.1	Can-in-CanisterDesign and Assembly	Provide magazine and racks for Phase II Cold Pour Tests	WSRC	Jan-00	09/30/00	100	I	9/23/00	PIP 00-105LTR 9/7/00
			WSRC	Apr-00	07/28/00	100		7/11/00	PIP 00-051
		2 Provide draft preliminary SDD	WORC						
, , ,	Conitate Davis Analysis and T. "			Apr 00	08/31/00	100		0/7/00	DID 00 4051 TD 0/2/00
'.1.2	Canister Pour Analysis and Testing	1 Complete Phase II Cold Pour Tests	WSRC	Apr-00	08/31/00	100		9/7/00	PIP 00-105LTR 9/7/00
.1.2	Canister Pour Analysis and Testing	Complete Phase II Cold Pour Tests Complete Phase 1 ProCast Model Report	WSRC LLNL	Jun-00	10/15/00	100		11/29/00	PIP 00-145LTR
		Complete Phase II Cold Pour Tests Complete Phase 1 ProCast Model Report Complete Phase II Cold Pour Test Report	WSRC LLNL WSRC	Jun-00 Jul-00	10/15/00 12/31/00	100 100		11/29/00 12/5/00	PIP 00-145LTR PIP 00-147:TR
.2	Canister Pour Analysis and Testing Canister Transport System DWPF Receipt and Handling	Complete Phase II Cold Pour Tests Complete Phase 1 ProCast Model Report	WSRC LLNL	Jun-00	10/15/00	100		11/29/00	PIP 00-145LTR

WBS	Task		Milestones	Resp. Site	Due Date	Anticipate d Comp Date	% Comp	Draft Report Complete	Final Report Complete	Status/ Comments
9.0	National Environment Policy	Аc	t Support							
10.	DOCDR									
10.0	DOCDR		Provide supplemental A/E procurement data	LLNL	Mar-99	07/01/00	100		9/29/00	PIP 00-113LTR
		1	Draft DOCDR revision for MD review	LLNL	Mar-00	03/07/00	100			UCRL-ID-131617 Rev 2
	7.1a and 7.2a combined in PIP00- 105LTR									

Appendix A2: FY01 AOP Milestones Status Summary for January 2001

WBS	Task	DOE/MD Milestone #	Milestones	Resp. Site	Due Date	Anticipate d Comp Date	% Com p	Report Complet	Final Report Complete	Status/ Comments
			4 Bra Baa	ian Di	A A A A A A A A A A A A A A A A A A A					
		I	1 Pre-Des	ign Pr	ase Activities	<u> </u>				I
1.2	Design-Only Conceptual Design Report	5.1.2/FY01/a	Issue DOCDR, Rev. 3	LLNL	Nov-00	Feb-01	99	Oct-00		Awaiting DOE sign-off.
			2.1 Pro	gram	Management					
	5 1 200	0.4.4/=>40.44								
2.1.1	Project Office	2.1.1/FY01/a 2.1.1/FY01/b	Update D&T Plan Update PMP FY01	LLNL	Jun-01 Sep-01					
		2.1.1/1 101/6	Opdate Fivil FF01	LLIVE	ОСР-01					
2.1.2	Quality Assurance	2.1.2/FY01/a	D&T QA program qualified	LLNL	Nov-00	Dec-00	100	1	8-Dec	PIP-00-153LTR
		2.1.2/FY01/b	TPO completes Management Assessment Report	LLNL	Sep-01	Sep-01	0			Scheduled for Aug-01
		2.1.2/FY01/c	TPO completes annual audit	LLNL	Sep-01	Sep-01	25			
2.1.3	Document Control	2.1.3/FY01/a	Provide DCC Annual Operations Report	LLNL	Sep-01	Sep-01				
		I	2.2 D&1	T Plan	for Design	l			<u> </u>	
2.2.1	Technical Support and Inte	gration								
2.2.1.1	Feed Materials Characterization and Blending	2.2.1.1/FY01/a	Update the feed materials characterization report	WSRC	Sep-01	Sep-01	25			
2.2.1.2	Proliferation Resistance	2.2.1.2/FY01/a	Report results from CIC review proliferation resistance assessment	LLNL	Sep-01					
2.2.1.3	System Integration and Cross- cutting Functions	2.2.1.3/FY01/a	Provide draft SDDs to DOE	LLNL	Dec-00	Feb-01	99			Draft completed.
		2.2.1.3/FY01/b	Provide FDD to DOE	LLNL	Jun-01					
		2.2.1.3/FY01/c	Provide integration SDDs to DOE	LLNL	Jun-01					
2.2.1.4	Material Transport System	2.2.1.4/FY01/a 2.2.1.4/FY01/b	Provide draft (Material Transport) SDD Provide (Material Transport) SDD	WSRC WSRC	Dec-00 Jun-01	Feb-01 Jun-01	99			Draft completed.
2.2.1.5	Waste Handling System	2.2.1.5/FY01/a	Complete Waste Generation Report	WSRC	Dec-00	Feb-01	99			Delayed to complete 13MT SDD
	Transcribing System		Provide (Waste Handling) SDD	WSRC	Jun-01	Jun-01	0			
2.2.2	Immobilized Form Developme	nt .								
2.2.2.3	Process Control Model Development	2.2.2.3/FY01/a	Provide preliminary PCM and summary of testing	LLNL	Mar-01	Mar-01	55			
2.2.3	Plutonium Conversion Proce	se and Fauin	ment Development							
2.2.3.1	Material Receipt and Storage		Provide draft SDD	WSRC	Dec-00	Jan-01	100			PIP-00-041
		2.2.3.1/FY01/b		WSRC	Jun-01	Jun-01	0			
2.2.3.3	Material Size Reduction	2.2.3.3/FY01/a	Provide draft SDD	LLNL	Dec-00	Feb-01	95			WSRC developing SDD. Limited resources will delay draft.
		2.2.3.3/FY01/b	Provide SDD	LLNL	Jun-01					
		2.2.3.3/FY01/c	Produce oxide powder for PuCTF	LLNL	Sep-01					
2.2.3.4	Material Unpackaging and Sorting	2.2.3.4/FY01/a	Provide draft SDD	WSRC	Dec-00	Feb-01	99			Draft completed.
		2.2.3.4/FY01/b	Complete concept for material transfer	WSRC	Mar-01	Jul-01	0			Delay due to funding reduction.
		2.2.3.4/FY01/c	Provide SDD	WSRC	Jun-01	Apr-02	0			Delayed until FY02 due to funding reduction.

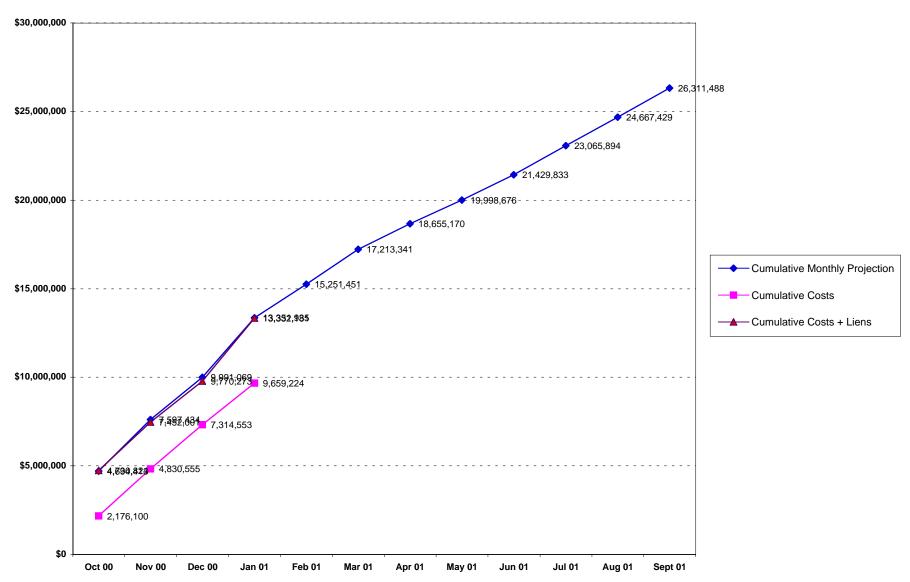
WBS	Task	DOE/MD Milestone #	Milestones	Resp. Site	Due Date	Anticipate d Comp Date	% Com p	Report Complet	Final Report Complete	Status/ Comments
2.2.3.6	Metal Conversion	2 2 3 6/FY01/a	Move system into RMMA	LLNL	Oct-00	12/30/00	95	l	29-Dec	PIP-00-152
2.2.0.0	motes conversion		Provide draft SDD	LLNL	Dec-00	4/30/01	85		28-Feb	Preliminary draft in preparation
		2.2.3.6/FY01/c	Initiate hot tests	LLNL	Feb-01				1-Apr	Hardware is in Pu building. Cold activation is underway
		2.2.3.6/FY01/d	Complete initial hot tests	LLNL	Jul-01				7/31/01	
		2.2.3.6/FY01/e	Provide SDD	LLNL	Jun-01					
2.2.3.7	Impure Oxide Feed Preparation	2.2.3.7/FY01/a	Provide draft SDD	LLNL	Dec-00	Feb-01	95			WSRC developing SDD. Limited resources will delay draft.
		2.2.3.7/FY01/b	Perform feasibility demonstration	LLNL	Feb-01					This effort has been cancelled because of lack of funding. The milestones have been suspended until funding is available.
		2.2.3.7/FY01/c	Provide SDD	LLNL	Jun-01					
2.2.3.8	Materials Characterization	2.2.3.8/FY01/a	Complete installation of equipment	LLNL & WSRC	Dec-00		30			This effort has been cancelled because of lack of funding. The milestones have been suspended until funding is available.
		2.2.3.8/FY01/b	Provide input to Analytical SDD	LLNL	Apr-01					
2.2.3.9	Material Control and Accountability	2.2.3.9/FY01/a	Provide input to MC&A SDD	WSRC	Apr-01	Apr-01	0			
0.0.0.10		0.0.0.40/5/04/	D :: 1 # 0DD	14/000	D 00	F 1 04	99			D 6 111
2.2.3.10	In-process Storage Vault	2.2.3.10/FY01/a 2.2.3.10/FY01/	Provide draft SDD	WSRC	Dec-00	Feb-01				Draft completed.
		2.2.3.10/1 101/	Provide SDD	WSRC	Jun-01	Jun-01	0			
2.2.4	∣ First-Stage Immobilization Pr	rocess and Fi	quipment Development							
2.2.4.1	Ceramic Feed Blending and		Provide draft blending SDD	WSRC	Dec-00	Feb-01	99			Draft completed.
		2.2.4.1/FY01/b	Complete blender test at vendor	WSRC	Mar-01	Apr-02	10			Delayed until FYUZ due to lunding
		2.2.4.1/FY01/c	Provide blending SDD	WSRC	Jun-01	Apr-02	0			Deiayed until FYUZ due to runding
2.2.4.2.1	Ceramic Process Development	2.2.4.2.1/FY01/ a	Provide draft SDD for ceramification system	LLNL	Dec-00	30-Mar-01	90			In progress.
		2.2.4.2.1/FY01/ b	Provide SDD, Rev. 0	LLNL	Jul-01					Deferred to FY 02.
2.2.4.2.2	Plutonium Ceramic Test Facility		PuCTF installation complete in LLNL	LLNL	Feb-01	28-Feb-01	100			Mechanical Installation completed
	(PuCTF)	2.2.4.2.2/FY01/	Pu facility PuCTF operational with plutonium	LLNL	Jun-01	22-Aug-01	0			Dependent on installation completion and ORR approval by LLNL and/or
		2.2.4.2.2/FY01/ c	PuCTF operation validated with plutonium	LLNL	Sep-01	2-Oct-01	0			~
2.2.4.2.3	Ceramification Prototype Test Facility (CPTF)	2.2.4.2.3/FY01/	CPTF design completed	WSRC	Dec-00	Jan-01	100			PIP-01-001
	radiity (OF 11)	2.2.4.2.3/FY01/ b	Provide input for Ceramification SDD	WSRC	Apr-01	Mar-02	20			Delayed due to budget cuts.
		2.2.4.2.3/FY01/ c	Large furnace, press and mill installed and tested	WSRC	Jun-01	Sep-01	40			rurnace installed and testing underway. Press and mill being
2.2.4.3	Puck NDE/MC&A for Process Control and SNM Accountability	2.2.4.3/FY01/a	WSRC NDE XRD plant prototype test system installed	WSRC	Jan-01	Mar-01	95			Installation completed. Alignment problem being resolved with vendor.
		2.2.4.3/FY01/b	PuCTF NDE System installed in LLNL Pu facility	LLNL	Mar-01		30			Deferred to FY02.
		2.2.4.3/FY01/c	Provide input to Analytical SDD	LLNL & WSRC	Apr-01					Deferred to FY02.
		2.2.4.3/FY01/d	PuCTF NDE Gamma spec validation with Pu	LLNL	Sep-01					

WBS	Task	DOE/MD Milestone #	Milestones	Resp. Site		Due Date	Anticipate d Comp Date	% Com p	Report Complet	Final Report Complete	
		2.2.4.3/FY01/e	WSRC NDE XRD testing complete	WSRC		Sep-01	09/30/01	10			XRD testing with existing XRD units underway will commence with prototype unit after installation is completed.
2.2.4.5	Can Loading	2.2.4.5/FY01/a	Provide draft SDD	WSRC		Dec-00	Feb-01	99			Incorporating comments.
2.2.4.3	Carr Edading	2.2.4.5/FY01/b	Provide SDD	WSRC		Jun-01	Mar-02	0			Postponed due to budget cut.
		2.2.4.5/FY01/c	Demonstrate loading variable height pucks	WSRC		Jul-01	Aug-01	30			Milestone changed due to funding cut.
2.2.4.6	Can MC&A	2.2.4.6/FY01/a	Can MC&A test system procured	WSRC	,	Jan-01	Jan-01	100			Procurement complete.
		2.2.4.6/FY01/b	Can MC&A initial system testing (complete)	WSRC		Apr-01	Apr-01	40			Testing underway.
		2.2.4.6/FY01/c	Provide input to crosscutting MC&A SDD	WSRC	,	Apr-01	Apr-02	0			Delayed until FY02 due to funding cut.
2.2.5	Second-Stage Immobilization	Process and	Equipment Development								
2.2.5.1.1	Can-in-Canister Design and Assembly	2.2.5.1.1/FY01/	Provide draft SDD	WSRC		Dec-00	Jan-01	100			PIP-00-051
	Assembly	2.2.5.1.1/FY01/ b	Provide SDD	WSRC		Jun-01	Apr-02	0			Postponed due to budget cut.
2.2.5.1.2	Canister Pour Analysis and Testing	2.2.5.1.2/FY01/	Complete ProCAST model report	LLNL		Mar-01					
		2.2.5.1.2/FY01/ b	Complete Phase 2 cold pour test report	WSRC		Nov-00	11/30/00	100		11/30/00	PIP-00-134
2.2.5.1.3	Can/Magazine Storage Vault	2.2.5.1.3/FY01/ a	Provide input to CIC system SDD	WSRC		Apr-01	Jan-01	100			PIP-00-051
			2.3 D&T Plan	for F	Form Qua	lificat	ion				
			2.0 20. 7.10.			mmuut					
2.3.1	Form Performance Testing and Dissolution Modeling	2.3.1.1/FY01/a	Issue a letter report on the results from the characterization and testing of the radiation damage specimens.	PNNL	4	Aug-01	Aug-01	20			Experiments in progress
		2.3.1.2/FY01/a	Document results of TCLP tests	ANL	,	Jan-01	03/31/01	10			Task plan complete, initial management review of safety review completed. Task delayed due to delain getting safety approval for tests.
		2.3.1.2/FY01/b	Document results of short-term testing of the ceramic	ANL		Jun-01	Jun-01	15			Solution data for baseline ceramic received
		2.3.1.3/FY01/a	Document results of long-term testing of ceramic	ANL		Sep-01	Sep-01	10			Experiments in progress
		2.3.1.4/FY01/a	Issue preliminary report on PUF results from pyrochlore baseline ceramic	PNNL		Jun-01	Jun-01	15			Initiation of experiments delayed
		2.3.1.4/FY01/b	Issue report on status of drip tests Update the repository data package	ANL	l l	Aug-01	Aug-01	12			Experiments in progress
		2.3.1.5/FY01/a	with results from the SPFT on radiation damage specimens and LLNL	LLNL & PNNL	1	May-01	May-01	0			
		2.3.1.6/FY01/a	Issue report updating the ceramic dissolution model	LLNL	5	Sep-01	Sep-01	0			
2.3.4	Form Qualification and Repository Interactions	2.3.4/FY01/a	Issue Rev. 0 of the PICP	WSRC	1	May-01	Mar-02	0			Delayed due to budget cuts.
		2.3.4/FY01/b	issue update to integrated data	LLNL		Sep-01	Sep-01	0			
			3 D&T Plan	for Ted	chnology	Trans	fer				
3.1	Preparation for Design Start: Site/Operation Team	3.1.4.1/FY01/a	Issue Technology Review Board Report	WSRC		Jun-01					

WBS	Task	DOE/MD Milestone #	Milestones	Resp. Site	Due Date	Anticipate d Comp Date	% Com p	Report Complet	Final Report Complete	Status/	Comments
		3.1.4.2/FY01/a	Issue Conceptual Design Review Board Report	WSRC	Jun-01						

Appendix B: January FY01 Cost Summary Report

FMDP - FY01 IMMOBILIZATION



Immobilization FY01 Spend Plan

5.1.2	DOCDR Total LLNL, WSRC - Al DiSabatino	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	15,000	15,000	38,000	0	0	0	0	0	0	0	0	0	68,000		68,000 New FY01 Funds 271,970 Comm. C/O
	Major Procurement Projection FY00 Liens	0 271,970	0	0	0	0	0	0	0	0	0	0	0	271.970		0 Uncommitted C/O
	Total Monthly Projection	286,970	15,000	38.000	0	0	0	0	0	0	0	0	0	339.970		339.970 Total FY01 Funding
	Cumulative Monthly Projection	286,970	301,970	339,970	339,970	339,970	339,970	339,970	339,970	339,970	339,970	339,970	339,970	,		,
	Cumulative Costs	109,515	150,110	240,181	290,648										15%	
	Cumulative Costs + Liens	285,711	246,732	339,997	345,924										-2%	
5.2.1.1	Technical Project Office LLNL, WSRC, ANL, PNNL	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum.	
	Manpower Projection	91,203	310,732	134,371	95,456	151,871	178,456	157,594	162,956	182,594	167,732	167,232	191,803	1,992,000	Var.	1,942,000 New FY01 Funds
	Major Procurement Projection	0	0 0	134,371	0	131,871	178,430	137,354	102,930	162,354	107,732	107,232	191,803	1,552,000		116.572 Comm. C/O
	FY00 Liens	116,572	0	0	0	0	0	0	0	0	0	0	0	116,572		50,000 Uncommitted C/O
	Total Monthly Projection	207,775	310,732	134,371	95,456	151,871	178,456	157,594	162,956	182,594	167,732	167,232	191,803	2,108,572		2,108,572 Total FY01 Funding
	Cumulative Monthly Projection	207,775	518,507	652,878	748,334	900,205	1,078,661	1,236,255	1,399,211	1,581,805	1,749,537	1,916,769	2,108,572			
	Cumulative Costs	89,019 205,591	223,915 495,169	338,282 609,572	507,688 738,309										32% 1%	
	Cumulative Costs + Liens	205,591	495,169	609,572	738,309										1%	
5.2.1.2	QA LLNL, WSRC, ANL, PNNL	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	504,109	43,094	40,204	93,549	28,423	36,542	36,835	31,542	31,835	37,500	36,187	35,180	955,000		955,000 New FY01 Funds
	Major Procurement Projection FY00 Liens	78,529	0	0	0	0	0	0	0	0	0	0	0	78,529		78,529 Comm. C/O 0 Uncommitted C/O
	Total Monthly Projection	582.638	43,094	40,204	93.549	28,423	36,542	36,835	31,542	31,835	37,500	36,187	35,180	1,033,529		1,033,529 Total FY01 Funding
	Cumulative Monthly Projection	582,638	625,732	665,936	759,485	787,908	824,450	861,285	892,827	924,662	962,162	998,349	1,033,529	_,,		,,
	Cumulative Costs	112,909	187,178	258,854	328,181										57%	
	Cumulative Costs + Liens	624,545	670,459	707,049	738,493										3%	
5.2.1.3	Technical Documentation LLNL, WSRC	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	12,380	30,000	8,000	7,000	15,600	15,000	14,000	15,000	15,000	14,000	15,000	24,020	185,000		310,000 New FY01 Funds
	Major Procurement Projection FY00 Liens	0 164,500	0	0	0	0	0	0	0	0	0	0	125,000	125,000 164,500		164,500 Comm. C/O 0 Uncommitted C/O
	Total Monthly Projection	176.880	30.000	8.000	7.000	15.600	15.000	14,000	15,000	15.000	14.000	15.000	149,020	474,500		474,500 Total FY01 Funding
	Cumulative Monthly Projection	176,880	206,880	214,880	221,880	237,480	252,480	266,480	281,480	296,480	310,480	325,480	474,500	17 2,000		11 1,000
	Cumulative Costs	11,861	44,945	49,605	68,749			,							69%	
	Cumulative Costs + Liens	176,174	190,086	197,343	204,070										8%	
5.2.1.4	Plutonium Facility LLNL	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	0	516,666	258,333	67,894	223,390	223,390	223,390	223,390	223,390	223,390	223,390	223,377	2,630,000		2,630,000 New FY01 Funds
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Comm. C/O
	FY00 Liens Total Monthly Projection	0	0 516,666	0 258,333	0 67,894	0 223,390	223,377	2.630.000		0 Uncommitted C/O 2,630,000 Total FY01 Funding						
	Cumulative Monthly Projection	0	516,666	774,999	842,893	1.066.283	1.289.673	1.513.063	1.736.453	1,959,843	2.183.233	2,406,623	2.630.000	2,030,000		2,030,000 Total F101 Fullding
	Cumulative Costs	0	527,625	498,851	842,893	1,000,203	1,203,073	1,515,005	1,730,433	1,555,045	2,100,200	2,400,023	2,030,000		0%	
	Cumulative Costs + Liens	0	527,625	498,851	842,893										0%	
5.2.1	D&T Program Management Lead - Tom Gould	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	607,692	900,492	440,908	263,899	419,284	453,388	431,819	432,888	452,819	442,622	441,809	474,380	5,762,000		5,837,000 New FY01 Funds
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	125,000	125,000		359,601 Comm. C/O
	FY00 Liens	359,601	000.400	440.000	0 000	410.294	452 200	421.010	422.000	0	0	0	500 200	359,601 6.246.601		50,000 Uncommitted C/O
	Total Monthly Projection Cumulative Monthly Projection	967,293 967,293	900,492 1.867.785	440,908 2.308.693	263,899 2,572,592	419,284 2.991.876	453,388 3.445,264	431,819 3.877.083	432,888 4.309.971	452,819 4.762,790	442,622 5,205,412	441,809 5.647,221	599,380 6.246,601	6,246,601		6,246,601 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs	213,789	983,663	1,145,591	1,747,510	2,331,0/6	3,443,204	3,677,083	4,509,9/1	4,702,790	5,205,412	3,047,221	0,240,001		32%	
	Cumulative Costs + Liens	1,006,310	1,883,340	2,012,815	2,523,766										2%	
5.2.2.1.1	Feed Materials Characterization and Blending LLNL, WSRC	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	37,620	30,000	30,380	33,000	45,000	41,300	41,000	33,300	43,300	43,300	42,800	38,000	459,000	vai.	233,000 New FY01 Funds
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		1,045 Comm. C/O
	FY00 Liens	1,045	0	0	0	0	0	0	0	0	0	0	0	1,045		226,000 Uncommitted C/O
	Total Monthly Projection	38,665	30,000	30,380	33,000	45,000	41,300	41,000	33,300	43,300	43,300	42,800	38,000	460,045		460,045 Total FY01 Funding
	Cumulative Monthly Projection	38,665	68,665	99,045	132,045	177,045	218,345	259,345	292,645	335,945	379,245	422,045	460,045		001	
	Cumulative Costs Cumulative Costs + Liens	37,240 38,285	83,280 84,325	101,238 102,283	132,591 133,636										0% -1%	
	Cumulative Costs + Liens	30,463	04,323	102,203	133,030										-170	

5.2.2.1.2	Proliferation Resistance LLNL, WSRC	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection	0	0	0	0	0	0	0	0	10,000 0	10,000 0	5,000 70,000	5,000	30,000 70,000		0 New FY01 Funds 0 Comm. C/O
	FY00 Liens	0	0	0	0	0	0	0	0	0	0	70,000	0	70,000		100,000 Uncommitted C/O
	Total Monthly Projection	0	Ö	0	0	0	0	0	0	10,000	10,000	75,000	5,000	100,000		100,000 Total FY01 Funding
	Cumulative Monthly Projection	0	0	0	0	0	0	0	0	10,000	20,000	95,000	100,000			
	Cumulative Costs	0	0	0	0										#DIV/0!	
	Cumulative Costs + Liens	0	0	0	0										#DIV/0!	
5.2.2.1.3	System Integration and Cross- cutting Functions LLNL, WSRC	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	132,891	110,500	103,000	34,000	43,000	50,000	43,000	43,000	50,000	43,000	50,000	44,609	747,000		698,000 New FY01 Funds
	Major Procurement Projection FY00 Liens	0 2,861	0	0	0	0	0	0	0	0	0	0	0	2,861		2,861 Comm. C/O 49,000 Uncommitted C/O
	Total Monthly Projection	132,891	110,500	103,000	34,000	43,000	50,000	43,000	43,000	50,000	43,000	50,000	44,609	747,000		749,861 Total FY01 Funding
	Cumulative Monthly Projection	132,891	243,391	346,391	380,391	423,391	473,391	516,391	559,391	609,391	652,391	702,391	747,000	-		
	Cumulative Costs	133,632	242,079	339,967	379,504										0%	
	Cumulative Costs + Liens	136,493	244,940	343,648	383,184										-1%	
5.2.2.1.4	Material Transport WSRC	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	0	3,000	3,000	0	0	0	0	0	0	0	0	0	6,000		6,000 New FY01 Funds
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Comm. C/O 0 Uncommitted C/O
	FY00 Liens Total Monthly Projection	0	3.000	0 3,000	0	0	0	0	0	0	0	0	0	6,000		6,000 Total FY01 Funding
	Cumulative Monthly Projection	0	3,000	6,000	6.000	6,000	6,000	6,000	6.000	6.000	6.000	6,000	6.000	0,000		0,000 101
	Cumulative Costs	0	1,597	6,077	6,077	-,	-,	-,	-,	-,	-,	-,	-,		-1%	
	Cumulative Costs + Liens	0	1,597	6,077	6,077										-1%	
5.2.2.1.5	Waste Handling System WSRC	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	5,500	4,500	4,000	-3,000	0	0	0	0	0	0	0	0	11,000		11,000 New FY01 Funds
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Comm. C/O
	FY00 Liens Total Monthly Projection	5.500	0 4.500	4.000	-3.000	0	0	0	0	0	0	0	0	11.000		0 Uncommitted C/O 11,000 Total FY01 Funding
	Cumulative Monthly Projection	5,500	10.000	14.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11.000	11,000		11,000 Total 1 Tot 1 thinding
	Cumulative Costs	5,399	6,134	10,636	10,636	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000		3%	
	Cumulative Costs + Liens	5,399	6,134	10,636	10,636										3%	
5.2.2.1	Technical Support & Integration Lead - Al DiSabatino	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	176,011	148,000	140,380	64,000	88,000	91,300	84,000	76,300	103,300	96,300	97,800	87,609	1,253,000		948,000 New FY01 Funds
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	70,000	0	70,000		3,906 Comm. C/O
	FY00 Liens Total Monthly Projection	3,906 179,917	0 148.000	0 140.380	64.000	0 88.000	91,300	0 84.000	76,300	0 103,300	96.300	0 167.800	87.609	3,906 1,326,906		375,000 Uncommitted C/O 1.326,906 Total FY01 Funding
	Cumulative Monthly Projection	179,917	327.917	468,297	532,297	620,297	711,597	795,597	871,897	975,197	1,071,497	1,239,297	1,326,906	1,320,900		1,326,906 Total F101 Fullding
	Cumulative Costs	176,271	333,090	457,918	528,808	020,237	711,557	155,551	0/1,00/	373,137	1,071,407	1,233,237	1,520,500		1%	
	Cumulative Costs + Liens	180,177	336,996	462,643	533,534										0%	
5.2.2.2.3	Development LLNL, WSRC	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	113,700	97,100	70,300	24,000	55,900	52,000	28,000	26,000	30,000	26,000	32,000	29,000	584,000		411,000 New FY01 Funds
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		91,708 Comm. C/O
	FY00 Liens Total Monthly Projection	91,708 205,408	97.100	70.300	0 24.000	55,900	0 52.000	0 28.000	26,000	0 30,000	0 26,000	0 32,000	29.000	91,708 675,708		173,000 Uncommitted C/O 675,708 Total FY01 Funding
	Cumulative Monthly Projection	205,408	302.508	372,808	396,808	452,708	504,708	532,708	558,708	588,708	614,708	646,708	675,708	073,708		075,706 15001110110110
	Cumulative Costs	100,636	175,487	309,944	366,425	102,700	001,100	002,100	555,755	555,755	011,700	010,100	010,100		8%	
	Cumulative Costs + Liens	203,343	275,859	359,652	416,133										-5%	
	7 100 IF B 1 .															
				Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum.	
5.2.2.2	Immobilized Form Development Total	Oct 00	Nov 00	Dec oo				-	-			-	-			
5.2.2.2	Total Lead - Guy Armantrout														Var.	
5.2.2.2	Total Lead - Guy Armantrout Manpower Projection	113,700	97,100	70,300	24,000	55,900	52,000	28,000	26,000	30,000	26,000	32,000	29,000	584,000	Var.	411,000 New FY01 Funds
5.2.2.2	Total Lead - Guy Armantrout Manpower Projection Major Procurement Projection	113,700 0	97,100 0	70,300 0	24,000 0	0	0	0	0	0	0	0	29,000	0	Var.	91,708 Comm. C/O
5.2.2.2	Total Lead - Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens	113,700 0 91,708	97,100 0 0	70,300 0 0	24,000 0 0	0	0	0	0	0	0	0	0	91,708	Var.	91,708 Comm. C/O 173,000 Uncommitted C/O
5.2.2.2	Total Lead - Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	113,700 0 91,708 205,408	97,100 0 0 97,100	70,300 0 0 70,300	24,000 0	0	0	0	0	0	0	0	29,000 0 0 29,000 570,936	0	Var.	91,708 Comm. C/O
5.2.2.2	Total Lead - Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens	113,700 0 91,708	97,100 0 0	70,300 0 0	24,000 0 0 24,000	0 0 55,900	0 0 52,000	0 0 28,000	0 0 26,000	0 0 30,000	0 0 26,000	0 0 32,000	0 0 29,000	91,708	-25% -42%	91,708 Comm. C/O 173,000 Uncommitted C/O

5.2.2.3.1	Material Receipt and Storage WSRC	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection	0	5,000	5,000	0	0	0	0	0	0	0	0	0	10,000		10,000 New FY01 Funds 0 Comm. C/O
	FY00 Liens	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Uncommitted C/O
	Total Monthly Projection	0	5,000	5,000	0	0	0	0	0	0	0	0	0	10,000		10,000 Total FY01 Funding
	Cumulative Monthly Projection	0	5,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000			
	Cumulative Costs	0	2,701	10,066	10,066										-1%	
	Cumulative Costs + Liens	0	2,701	10,066	10,066										-1%	
5.2.2.3.3	Material Size Reduction LLNL, WSRC	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	0	0	7,500	-7,500	0	0	0	0	0	0	0	0	0		0 New FY01 Funds
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Comm. C/O 0 Uncommitted C/O
	FY00 Liens Total Monthly Projection	0	0	7,500	-7,500	0	0	0	0	0	0	0	0	0		n Total FY01 Funding
	Cumulative Monthly Projection	0	0	7,500	0	0	0	0	0	0	0	0	0			•
	Cumulative Costs	-2,270	-2,270	-2,270	-2,270										#DIV/0!	
	Cumulative Costs + Liens	-2,270	-2,270	-2,270	-2,270										#DIV/0!	
5.2.2.3.4	Material Unpacking and Sorting	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	10,000	7,600	9,600	-2,000	8,000	15,000	11,000	11,000	15,000	10,000	15,000	14,800	125,000		0 New FY01 Funds
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Comm. C/O
	FY00 Liens	0	0	0	0	0	0	0	0	0	0	0	0	0		125,000 Uncommitted C/O 125,000 Total FY01 Funding
	Total Monthly Projection Cumulative Monthly Projection	10,000 10,000	7,600 17,600	9,600 27,200	-2,000 25,200	8,000 33,200	15,000 48,200	11,000 59,200	11,000 70,200	15,000 85,200	10,000 95,200	15,000 110,200	14,800 125,000	125,000		125,000 Total F101 Fullding
	Cumulative Monthly Projection Cumulative Costs	9,830	16,245	23,034	25,886	33,200	46,200	39,200	70,200	83,200	95,200	110,200	125,000		-3%	
	Cumulative Costs + Liens	9,830	16,245	23,034	25,886										-3%	
5.2.2.3.6	Metal Conversion	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	160,000	240,000	160,000	810,199	250,000	250,000	71,801	0	0	0	0	0	1,942,000		1,592,000 New FY01 Funds
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		18,204 Comm. C/O
	FY00 Liens	18,204 178,204	0 240,000	0 160,000	0 810,199	0 250,000	0 250,000	71,801	0	0	0	0	0	18,204 1,960,204		350,000 Uncommitted C/O 1,960,204 Total FY01 Funding
	Total Monthly Projection Cumulative Monthly Projection	178,204	418,204	578,204	1,388,403	1,638,403	1,888,403	1,960,204	1,960,204	1,960,204	1,960,204	1,960,204	1,960,204	1,960,204		1,960,204 Total F101 Fullding
	Cumulative Nonthly Projection Cumulative Costs	137,187	461,164	800,732	1,072,990	1,030,403	1,000,403	1,500,204	1,500,204	1,500,204	1,900,204	1,500,204	1,500,204		23%	
	Cumulative Costs + Liens	168,972	491,739	1,109,298	1,381,556										0%	
5.2.2.3.7		Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	4 01	14 01	Jun 01	Jul 01	4 .01	C . 101	Totals	_	
3.2.2.3.7	Impure Oxide Feed Preparation	000	100 00	Dec 00	Jan 01	reb UI	Marui	Apr 01	May 01	Jun VI	Jui VI	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	25,000	45,000	45,000	16,000	10.000	0	0	0	0	0	0	0	141.000	Vai.	67.000 New FY01 Funds
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Comm. C/O
	FY00 Liens	0	0	0	0	0	0	0	0	0	0	0	0	0		74,000 Uncommitted C/O
	Total Monthly Projection	25,000	45,000	45,000	16,000	10,000	0	0	0	0	0	0	141,000	141,000		141,000 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs	25,000 24,078	70,000 49,606	115,000 111,596	131,000 134,106	141,000	141,000	141,000	141,000	141,000	141,000	141,000	141,000		-2%	
	Cumulative Costs + Liens	24,078	49,606	111,596	134,106										-2%	
													•			
5.2.2.3.8	Materials Characterization	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum.	
	LLNL, WSRC Manpower Projection	51,200	71,100	67,100	35,061	16,000	18,000	15,000	15,000	16,000	14,000	18,000	28,000	364,461	Var.	200,000 New FY01 Funds
	Major Procurement Projection	31,200	71,100	07,100	0	10,000	0	13,000	15,000	0,000	14,000	0 000	28,000	304,401		20,905 Comm. C/O
	FY00 Liens	20,905	0	ő	ő	0	0	ő	0	0	0	0	0	20,905		164,461 Uncommitted C/O
	Total Monthly Projection	72,105	71,100	67,100	35,061	16,000	18,000	15,000	15,000	16,000	14,000	18,000	28,000	385,366		385,366 Total FY01 Funding
	Cumulative Monthly Projection	72,105	143,205	210,305	245,366	261,366	279,366	294,366	309,366	325,366	339,366	357,366	385,366			
	Cumulative Costs	50,500	133,018	227,582	276,468										-13%	
	Cumulative Costs + Liens	72,005	153,923	228,316	276,668										-13%	
5.2.2.3.9	Material Control and Accountability WSRC	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	0	0	0	0	0	0	0	0	0	0	0	0	ol	vai.	0 New FY01 Funds
	Major Procurement Projection	0	0	0	ő	0	0	0	0	0	0	0	ő	ő		0 Comm. C/O
	FY00 Liens	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Uncommitted C/O
	Total Monthly Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Total FY01 Funding
	Cumulative Monthly Projection	0	0	0	0	0	0	0	0	0	0	0	0		#PNR7 (0)	
	Cumulative Costs Cumulative Costs + Liens	0	0	0	0										#DIV/0! #DIV/0!	
	Cumulative Costs # Liens	U	U	U	U										#DIV/U:	

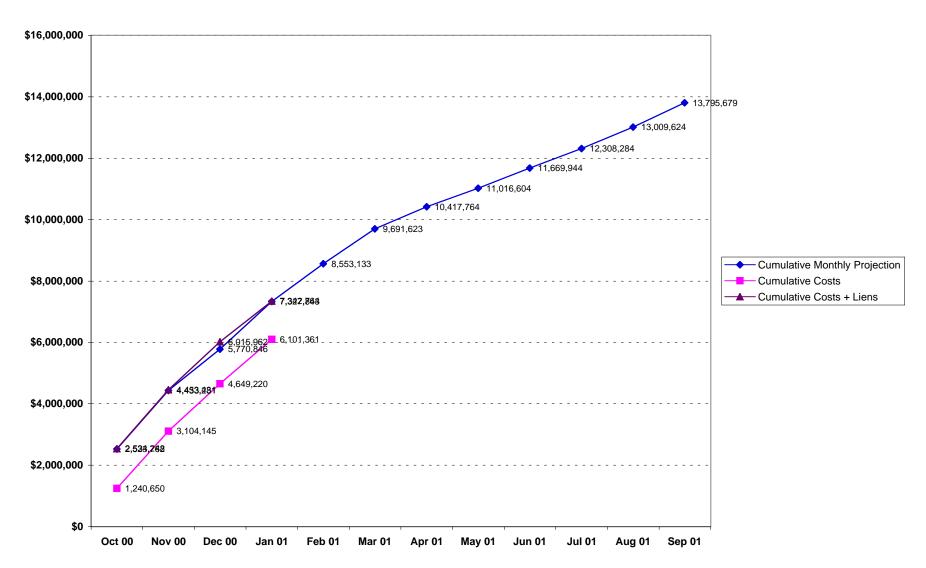
5.2.2.3.10	In-Process Storage Vault WSRC	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection FY00 Liens	0 0	0	0	0 0 0	0	0 0 0	0 0 0	0 0 0	0 0 0	0	0 0 0	0	0		0 New FY01 Funds 0 Comm. C/O 0 Uncommitted C/O
	Total Monthly Projection Cumulative Monthly Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Total FY01 Funding
	Cumulative Costs Cumulative Costs + Liens	0	0	0	0										#DIV/0! #DIV/0!	
5.2.2.3	Plutonium Conversion Total Lead - Mark Bronson	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection	246,200 0	368,700 0	294,200 0	851,760 0	284,000 0	283,000 0	97,801 0	26,000 0	31,000 0	24,000 0	33,000 0	42,800 0	2,582,461 0		1,869,000 New FY01 Funds 39,109 Comm. C/O
	FY00 Liens Total Monthly Projection	39,109 285,309	0 368,700	0 294,200	0 851,760	0 284,000	0 283,000	0 97,801	0 26,000	0 31,000	0 24,000	0 33,000	0 42,800	39,109 2,621,570		713,461 Uncommitted C/O 2,621,570 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs	285,309 219,326	654,009 660,464	948,209 1,170,740	1,799,969 1,517,245	2,083,969	2,366,969	2,464,770	2,490,770	2,521,770	2,545,770	2,578,770	2,621,570		16%	
	Cumulative Costs + Liens	272,615	711,944	1,480,041	1,826,012										-1%	
5.2.2.4.1	Ceramic Feed Batching WSRC - Lead - Kent Sullivan	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection	13,400 0	39,200 0	39,700 0	-42,300 0	0	0	0	2,000 0	2,000 0	2,000 0	2,000 0	2,000 0	60,000 0		60,000 New FY01 Funds 0 Comm. C/O
	FY00 Liens Total Monthly Projection	0 13,400	0 39,200	0 39,700	-42,300	0 0	0 0	0 0	0 2,000	0 2,000	0 2,000	0 2,000	0 2,000	0 60,000		0 Uncommitted C/O 60,000 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs	13,400 12,797	52,600 29,551	92,300 47,574	50,000 49,506	50,000	50,000	50,000	52,000	54,000	56,000	58,000	60,000		1%	
	Cumulative Costs + Liens Ceramification Process	12,797	29,551	47,574	49,506										1%	
5.2.2.4.2.1	Development LLNL, WSRC Manpower Projection	Oct 00 3,500	Nov 00 3,500	Dec 00 3,500	Jan 01 125,000	Feb 01 25,000	Mar 01 50,000	Apr 01 50,000	May 01 41,500	Jun 01 25,000	Jul 01 25,000	Aug 01 25,000	Sept 01 25,000	Totals 402,000	Cum. Var.	437,000 New FY01 Funds
	Major Procurement Projection FY00 Liens	0 60,073	3,500 0 0	3,300 0 0	0	5,000 5,000 0	5,000 0	5,000	4,000 4,000 0	4,000 0	4,000 0	4,000 0	4,000	35,000 60,073		60,073 Comm. C/O 0 Uncommitted C/O
	Total Monthly Projection	63,573	3,500	3,500	125,000	30,000	55,000	55,000	45,500	29,000	29,000	29,000	29,000	497,073		497,073 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens	63,573 3,418 63,492	67,073 12,292 72,365	70,573 106,838 106,911	195,573 196,526 196,600	225,573	280,573	335,573	381,073	410,073	439,073	468,073	497,073		0% -1%	
	Ceramification Prototype Test Facility (CPTF)															
5.2.2.4.2.3	WSRC, Clemson	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
5.2.2.4.2.3	WSRC, Clemson Manpower Projection Major Procurement Projection	281,500 0	320,700 0	400,400 0	-70,900 1,659,600	260,000 0	320,000 0	260,000 0	300,000	320,000 0	350,000 220,000	436,000 0	Sept 01 377,275 0	3,554,975 1,879,600		4,189,600 New FY01 Funds 960,052 Comm. C/O
5.2.2.4.2.3	WSRC, Clemson Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	281,500 0 960,052 1,241,552	320,700 0 0 320,700	400,400 0 0 400,400	-70,900 1,659,600 0 1,588,700	260,000 0 0 260,000	320,000 0 0 320,000	260,000 0 0 260,000	300,000 0 0 300,000	320,000 0 0 320,000	350,000 220,000 0 570,000	436,000 0 0 436,000	377,275 0 0 377,275	3,554,975		
5.2.2.4.2.3	WSRC, Clemson Manpower Projection Major Procurement Projection FY00 Liens	281,500 0 960,052	320,700 0 0	400,400 0 0	-70,900 1,659,600 0	260,000 0 0	320,000 0 0	260,000 0 0	300,000 0 0	320,000 0 0	350,000 220,000 0	436,000 0 0	377,275 0 0	3,554,975 1,879,600 960,052		960,052 Comm. C/O 1,244,975 Uncommitted C/O
5.2.2.4.2.3 5.2.2.4.2.2	WSRC, Clemson Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs	281,500 0 960,052 1,241,552 1,241,552 359,989	320,700 0 0 320,700 1,562,252 618,515	400,400 0 0 400,400 1,962,652 959,492	-70,900 1,659,600 0 1,588,700 3,551,352 1,455,981	260,000 0 0 260,000	320,000 0 0 320,000	260,000 0 0 260,000	300,000 0 0 300,000	320,000 0 0 320,000	350,000 220,000 0 570,000	436,000 0 0 436,000	377,275 0 0 377,275	3,554,975 1,879,600 960,052	Var.	960,052 Comm. C/O 1,244,975 Uncommitted C/O
	WSRC, Clemsan Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens Plutonium Ceramic Test Facility (PuCTF) LLNL, WSRC Manpower Projection	281,500 0 960,052 1,241,552 1,241,552 359,989 1,223,967	320,700 0 320,700 1,562,252 618,515 1,471,740	400,400 0 0 400,400 1,962,652 959,492 1,683,227	-70,900 1,659,600 0 1,588,700 3,551,352 1,455,981 3,534,531	260,000 0 0 260,000 3,811,352	320,000 0 0 320,000 4,131,352	260,000 0 0 260,000 4,391,352	300,000 0 0 300,000 4,691,352	320,000 0 0 320,000 5,011,352	350,000 220,000 0 570,000 5,581,352	436,000 0 0 436,000 6,017,352	377,275 0 0 377,275 6,394,627	3,554,975 1,879,600 960,052 6,394,627	59% 0% Cum.	960,052 Comm. C/O 1,244,975 Uncommitted C/O
	WSRC, Clemsan Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Liens Plutonium Ceramic Test Facility (PuCTF) LLNI, WSRC	281,500 960,052 1,241,552 1,241,552 359,989 1,223,967 Oct 00	320,700 0 0 320,700 1,562,252 618,515 1,471,740 Nov 00	400,400 0 0 400,400 1,962,652 959,492 1,683,227 Dec 00	-70,900 1,659,600 0 1,588,700 3,551,352 1,455,981 3,534,531 Jan 01	260,000 0 0 260,000 3,811,352 Feb 01	320,000 0 0 320,000 4,131,352 Mar 01	260,000 0 0 260,000 4,391,352 Apr 01	300,000 0 0 300,000 4,691,352 May 01	320,000 0 0 320,000 5,011,352 Jun 01	350,000 220,000 0 570,000 5,581,352 Jul 01	436,000 0 0 436,000 6,017,352 Aug 01	377,275 0 0 377,275 6,394,627	3,554,975 1,879,600 960,052 6,394,627 Totals	59% 0% Cum.	960,052 Comm. C/O 1.244,975 Uncommitted C/O 6,394,627 Total FY01 Funding
	WSRC, Clemson Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs + Liens Plutonium Ceramic Test Facility (PuCTF) LLNL, WSRC Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Monthly Projection Cumulative Costs	281,500 960,052 1,241,552 1,241,552 359,989 1,223,967 Oct 00 610,000 30,000 140,678 780,678 780,678 609,415	320,700 0 0 320,700 1,562,252 618,515 1,471,740 Nov 00 637,000 30,000 0 667,000 1,447,678	400,400 0 0 400,400 1,962,652 959,492 1,683,227 Dec 00 587,000 30,000 0 617,000 2,064,678	-70,900 1,659,600 0 1,588,700 3,551,352 1,455,981 3,534,531 Jan 01 205,000 20,000 0 225,000 2,289,678 2,186,346	260,000 0 260,000 3,811,352 Feb 01	320,000 0 320,000 4,131,352 Mar 01 435,000 0	260,000 0 260,000 4,391,352 Apr 01	300,000 0 300,000 4,691,352 May 01	320,000 0 320,000 5,011,352 Jun 01 235,000 0	350,000 220,000 0 570,000 5,581,352 Jul 01	436,000 0 0 436,000 6,017,352 Aug 01 235,000 0	377,275 0 0 377,275 6.394,627 Sept 01	3,554,975 1,879,600 960,052 6,394,627 Totals 4,393,999 110,000 140,678	59% 0% Cum. Var.	960,052 Comm. C/O 1.244,975 Uncommitted C/O 6.394,627 Total FY01 Funding 4,176,000 New FY01 Funds 140,677 Comm. C/O 228,000 Uncommitted C/O
	WSRC, Clemsan Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Liens Plutonium Ceramic Test Facility (PuCTF) LINI, WSRC Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Costs Liens	281,500 960,052 1,241,552 359,989 1,223,967 Oct 00 610,000 30,000 140,678 780,678 780,678	320,700 0 0 320,700 1,562,252 618,515 1,471,740 Nov 00 637,000 30,000 0 667,000 1,447,678	400,400 0 0 400,400 1,962,652 959,492 1,683,227 Dec 00 587,000 30,000 0 617,000 2,064,678	-70,900 1,659,600 0 1,588,700 3,551,352 1,455,981 3,534,531 Jan 01 205,000 20,000 0 225,000 2,289,678	260,000 0 260,000 3,811,352 Feb 01 530,000 0 0 530,000	320,000 0 320,000 4,131,352 Mar 01 435,000 0 435,000	260,000 0 260,000 4,391,352 Apr 01	300,000 0 0 300,000 4,691,352 May 01	320,000 0 320,000 5,011,352 Jun 01	350,000 220,000 0 570,000 5,581,352 Jul 01 230,000 0 0 230,000	436,000 0 0 436,000 6,017,352 Aug 01 235,000 0 0 235,000	377,275 0 0 377,275 6,394,627 Sept 01 265,999 0 0 265,999	3,554,975 1,879,600 960,052 6,394,627 Totals 4,393,999 110,000 140,678	59% 0% Cum. Var.	960,052 Comm. C/O 1,244,975 Uncommitted C/O 6,394,627 Total FY01 Funding 4,176,000 New FY01 Funds 140,677 Comm. C/O 328,000 Uncommitted C/O
5.2.2.4.2.2	WSRC, Clemsan Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Liens Plutonium Ceramic Test Facility (PuCTF) LLNL, WSRC Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens Puck NDEMC&A for Process	281,500 960,052 1,241,552 359,989 1,223,967 Oct 00 610,000 30,000 140,678 780,678 609,415 780,678 609,415	320,700 0 320,700 1,562,252 618,515 1,471,740 Nov 00 637,000 30,000 0 667,000 1,447,678 1,182,405 1,1392,052	400,400 0 0 400,400 1,962,652 959,492 1,683,227 Dec 00 587,000 30,000 0 617,000 2,064,678 1,841,241 1,933,714	-70,900 1,659,600 0 1,588,700 3,551,352 1,455,981 3,534,531 Jan 01 205,000 20,000 0 25,000 2,289,678 2,186,346 2,278,661	260,000 0 0 260,000 3,811,352 Feb 01 530,000 0 0 530,000 2,819,678	320,000 0 320,000 4,131,352 Mar 01 435,000 0 0 435,000 3,254,678	260,000 0 0 260,000 4,391,352 Apr 01 230,000 0 0 230,000 3,484,678	300,000 0 0 300,000 4,691,352 May 01 194,000 0 0 194,000 3,678,678	320,000 0 0 320,000 5,011,352 Jun 01 235,000 0 0 235,000 3,913,678	350,000 220,000 0 570,000 5,581,352 Jul 01 230,000 0 0 230,000 4,143,678	436,000 0 0 436,000 6,017,352 Aug 01 235,000 0 0 235,000 4,378,678	377,275 0 0 377,275 6,394,627 Sept 01 265,999 0 0 265,999 4,644,677	3,554,975 1,879,600 960,052 6,394,627 Totals 4,393,999 110,000 140,678 4,644,677	59% 0% Cum. Var.	960,052 Comm. C/O 1.244,975 Uncommitted C/O 6,394,627 Total FY01 Funding 4.176,000 New FY01 Funds 140,677 Comm. C/O 328,000 Uncommitted C/O 4,644,677 Total FY01 Funding
5.2.2.4.2.2	WSRC, Clemsan Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs + Liens Plutonium Ceramic Test Facility (PuCTF) LLNL, WSRC Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs + Liens Puck NDE/MC&A for Process Cumulative Costs Puck NDE/MC&A for Process Contol and SNM Accountability LLNL, WSRC	281,500 960,052 1,241,552 1,241,552 359,989 1,223,967 Oct 00 610,000 30,0078 780,678 609,415 780,678	320,700 0 320,700 1,562,252 618,515 1,471,740 Nov 00 637,000 30,000 0,667,000 1,447,678 1,182,405 1,392,052	400,400 0 0 1,962,652 959,492 1,683,227 Dec 00 587,000 30,000 0,617,000 2,064,678 1,841,241 1,933,714	-70,900 1,659,600 0 0,588,700 3,551,352 1,455,981 3,534,531 Jan 01 205,000 20,000 0 225,000 2,289,678 2,186,346 2,278,661 Jan 01	260,000 0 0 260,000 3,811,352 Feb 01 530,000 0 0 530,000 2,819,678	320,000 0 320,000 4,131,352 Mar 01 435,000 0 0 435,000 3,254,678	260,000 0 0 260,000 4,391,352 Apr 01 230,000 0 0 230,000 3,484,678	300,000 0 0 300,000 4,691,352 May 01 194,000 0 0 194,000 3,678,678	320,000 0 0 320,000 5,011,352 Jun 01 235,000 0 0 235,000 3,913,678	350,000 220,000 0 570,000 5,581,352 Jul 01 230,000 0 0 230,000 4,143,678	436,000 0 0 436,000 6,017,352 Aug 01 235,000 0 0 235,000 4,378,678	377,275 0 0 377,275 6,394,627 Sept 01 265,999 0 0 265,999 4,644,677	3,554,975 1,879,600 960,052 6,394,627 Totals 4,393,999 110,000 140,678 4,644,677	59% 0% Cum. Var.	960,052 Comm. C/O 1.244,975 Uncommitted C/O 6.394,627 Total FY01 Funding 4,176,000 New FY01 Funds 140,677 Comm. C/O 328,000 Uncommitted C/O 4,644,677 Total FY01 Funding
5.2.2.4.2.2	WSRC, Clemsan Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Liens Plutonium Ceramic Test Facility (PuCTF) LINIL WSRC Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Costs + Liens Puck NDE/MC&A for Process Cumulative Costs + Liens Puck NDE/MC&A for Process Control and SNM Accountability LINIL WSRC Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Total Monthy Projection FY00 Liens Total Monthly Projection	281,500 960,052 1,241,552 1,241,552 2,241,552 3,241,552 1,223,967 Oct 00 610,000 30,000 140,678 780,678 609,415 780,352 Oct 00 5,500 0 245,700 251,200	320,700 0 320,700 1,562,252 618,515 1,471,740 Nov 00 637,000 30,000 667,000 1,447,678 1,182,405 1,392,052 Nov 00	400,400 0 400,400 1,982,652 959,492 1,683,227 Dec 00 587,000 30,000 617,000 2,084,678 1,841,241 1,933,714 Dec 00	-70,900 1,659,600 0 1,588,700 3,551,352 1,455,981 3,534,531 Jan 01 205,000 20,000 0 22,5000 2,289,678 2,186,346 2,278,661 Jan 01 -18,700 0	260,000 0 0 260,000 3,811,352 Feb 01 530,000 0 530,000 2,819,678 Feb 01	320,000 0 320,000 4,131,352 Mar 01 435,000 0 435,000 3,254,678	260,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	300,000 0 00 300,000 4,691,352 May 01 194,000 0 194,000 3,678,678	320,000 0 0 320,000 5,011,352 Jun 01 235,000 0 235,000 3,913,678 Jun 01	350,000 220,000 0 570,000 5,581,352 Jul 01 230,000 0 230,000 4,143,678 Jul 01	436,000 0 0 436,000 6,017,352 Aug 01 235,000 0 235,000 4,378,678 Aug 01	377,275 0 0 377,275 6,394,627 Sept 01 265,999 0 0 265,999 4,644,677	3,554,975 1,879,600 960,052 6,394,627 Totals 4,393,999 110,000 140,678 4,644,677 Totals	59% 0% Cum. Var.	960,052 Comm. C/O 1.244,975 Uncommitted C/O 6,394,627 Total FY01 Funding 4.176,000 New FY01 Funds 140,677 Comm. C/O 328,000 Uncommitted C/O 4,644,677 Total FY01 Funding
5.2.2.4.2.2	WSRC. Clemsan Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Liens Plutonium Ceramic Test Facility (PuCTF) LLNI, WSRC Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens Puck NDE/MC&A for Process Control and SNM Accountability LINI, WSRC Manpower Projection Major Procurement Projection Major Procurement Projection Major Procurement Projection	281,500 960,052 1,241,552 1,241,552 289 1,223,967 Oct 00 610,000 30,000 140,678 780,678 609,415 780,352 Oct 00 5,500 0 245,700	320,700 0 320,700 1,562,515 1,471,740 Nov 00 637,000 0 667,000 1,447,678 1,182,405 1,392,052 Nov 00 25,100 0 0	400,400 0 400,400 1,962,652 959,492 1,683,227 Dec 00 587,000 0 0,17,000 2,064,678 1,841,241 1,933,714 Dec 00	-70,900 1,659,600 0 1,588,700 3,551,352 1,455,981 1,455,981 3,534,531 Jan 01 205,000 20,000 0 22,289,678 2,186,346 2,278,661 Jan 01 -18,700 0 0 -18,700	260,000 0 0 260,000 3,811,352 Feb 01 530,000 0 530,000 2,819,678 Feb 01 32,000 0 0 32,000	320,000 0 320,000 4,131,352 Mar 01 435,000 0 435,000 3,254,678 Mar 01 36,000 0 0 3,80,000	260,000 0 0 260,000 4,391,352 Apr 01 230,000 0 230,000 3,484,678 Apr 01	300,000 0 0 300,000 4,691,352 May 01 194,000 0 0 194,000 3,678,678 May 01	320,000 0 0 320,000 5,011,352 Jun 01 235,000 0 235,000 3,913,678 Jun 01	350,000 220,000 0 570,000 5,581,352 Jul 01 230,000 0 230,000 4,143,678 Jul 01 31,000 0 0 31,000	436,000 0 0 436,000 6,017,352 Aug 01 235,000 0 0 235,000 4,378,678 Aug 01	377,275 0 0 377,275 6,394,627 Sept 01 265,999 0 0 265,999 4,644,677 Sept 01	3,554,975 1,879,600 960,052 6,394,627 Totals 4,393,999 110,000 140,678 4,644,677 Totals	59% 0% Cum. Var.	960,052 Comm. C/O 1.244,975 Uncommitted C/O 6,394,627 Total FY01 Funding 4.176,000 New FY01 Funds 140,677 Comm. C/O 328,000 Uncommitted C/O 4,644,677 Total FY01 Funding 267,000 New FY01 Funds 245,700 Comm. C/O 50,300 Uncommitted C/O
5.2.2.4.2.2	WSRC. Clemsan Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Liens Plutonium Ceramic Test Facility (PuCTF) LINI, WSRC Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs + Liens Puck NDE/MC&A for Process Control and SNM Accountability LINI, WSRC Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Costs Cumulative Costs + Liens Reycle of Unacceptable Materials LINI, WSRC Recycle of Unacceptable Materials LINI, WSRC	281,500 960,052 1,241,552 1,241,552 398 1,223,967 Oct 00 610,000 30,000 140,678 780,678 699,415 780,352 Oct 00 5,500 0 245,700 251,200 5,339 251,059 Oct 00	320,700 0 320,700 1,562,515 1,471,740 Nov 00 637,000 0,667,000 1,447,678 1,182,405 1,392,052 Nov 00 25,100 0 25,100 276,300 22,836 28,856 Nov 00	400,400 0 400,400 1,962,652 959,492 1,683,227 Dec 00 587,000 0 617,000 2,064,678 1,841,241 1,933,714 Dec 00 48,900 0 48,900 48,900 48,900 49,919 286,619 Dec 00	-70,900 1,659,600 0 1,588,700 3,551,352 1,455,981 3,534,531 205,000 20,000 0 225,000 225,000 2,289,678 2,186,346 2,278,661 Jan 01 -18,700 0 0 -18,700 306,500 45,432 291,132	260,000 0 0 260,000 3,811,352 Feb 01 530,000 0 530,000 2,819,678 Feb 01 32,000 0 0 32,000	320,000 0 320,000 4,131,352 Mar 01 435,000 0 435,000 3,254,678 Mar 01 36,000 0 374,500 Mar 01	260,000 0 0 260,000 4,391,352 Apr 01 230,000 0 230,000 3,484,678 Apr 01 30,000 0 0 404,500	300,000 0 0 300,000 4,691,352 May 01 194,000 0 0 194,000 3,678,678 May 01 30,000 0 0 30,000 0 0 434,500	320,000 0 0 320,000 5,011,352 Jun 01 235,000 0 0 235,000 3,913,678 Jun 01	350,000 220,000 0 570,000 5,581,352 Jul 01 230,000 0 230,000 4,143,678 Jul 01 31,000 0 31,000 499,500	436,000 0 0 436,000 6,017,352 Aug 01 235,000 0 0 235,000 4,378,678 Aug 01 33,500 0 0 33,500 533,000	377,275 0 0 377,275 6,394,627 Sept 01 265,999 0 0 265,999 4,644,677 Sept 01	3,554,975 1,879,600 960,052 6,394,627 Totals 4,393,999 110,000 140,678 4,644,677 Totals	Var. 59% 0% Cum. Var. 5% 0% Cum. Var. 85%	960,052 Comm. C/O 1.244,975 Uncommitted C/O 6,394,627 Total FY01 Funding 4,176,000 New FY01 Funds 140,677 Comm. C/O 328,000 Uncommitted C/O 4,644,677 Total FY01 Funding 267,000 New FY01 Funds 245,700 Comm. C/O 50,300 Uncommitted C/O 563,000 Total FY01 Funding
5.2.2.4.2.2 5.2.2.4.3	WSRC. Clemsan Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Liens Plutonium Ceramic Test Facility (PuCTP) LINI. WSRC Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs + Liens Puck NDE/MC&A for Process Control and SNM Accountability LINI. WSRC Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs	281,500 0 0 960,052 1,241,552 3,241,552 3,241,552 3,000 140,678 780,678 609,415 780,735 Oct 00 251,200 251,200 5,359 Cot 00	320,700 0 320,700 1,502,252 1,502,252 1,471,740 867,000 637,000 647,000 1,447,678 1,182,052 Nov 00 25,100 0 0 25,100 25,100 25,100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	400,400 0 400,400 1,962,652 959,492 1,683,227 Dec 00 587,000 0 617,000 0 617,000 0 48,900 0 48,900 0 48,900 0 0 48,900 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-70,900 1,659,600 0,1,588,700 3,551,352 1,455,981 3,534,531 205,000 20,000 0 225,000 2,289,678 2,186,346 2,278,661 -18,700 0 0 -18,700 0 306,500 45,432 291,132 Jan 01	260,000 0 0 0 260,000 3,811,352 Feb 01 530,000 2,819,678 Feb 01 32,000 0 0 32,000 338,500 Feb 01	320,000 0 320,000 4,131,352 Mar 01 435,000 0 435,000 3,254,678 Mar 01 36,000 0 0 36,000 374,500 Mar 01	260,000 0 0 260,000 4,391,352 Apr 01 230,000 0 230,000 3,484,678 Apr 01 30,000 0 404,500 Apr 01	300,000 0 0 300,000 4,691,352 May 01 194,000 0 0 194,000 3,678,678 May 01 30,000 0 434,500 May 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	320,000 0 0 320,000 5,011,352 Jun 01 235,000 0 0 235,000 3,913,678 Jun 01 34,000 468,500 Jun 01 0 0 0	350,000 220,000 0 570,000 5,581,352 Jul 01 230,000 0 230,000 4,143,678 Jul 01 31,000 0 31,000 499,500 Jul 01	436,000 0 0 436,000 6,017,352 Aug 01 235,000 0 0 235,000 4,378,678 Aug 01 33,500 0 0 33,500 533,000 Aug 01	377,275 0 0 377,275 6.394,627 Sept 01 265,999 0 0 265,999 4.644,677 Sept 01 30,000 0 0 30,000 563,000	3,554,975 1,879,600 960,052 6,394,627 Totals 4,393,999 110,000 140,678 4,644,677 Totals 317,300 0 245,7000 563,000	Var. 59% 0% Cum. Var. 5% 0% Cum. Var. Cum. Var.	960,052 Comm. C/O 1.244,975 Uncommitted C/O 6,394,627 Total FY01 Funding 4,176,000 New FY01 Funds 140,677 Comm. C/O 328,000 Uncommitted C/O 4,644,677 Total FY01 Funding 267,000 New FY01 Funds 245,700 Comm. C/O 50,300 Uncommitted C/O 563,000 Total FY01 Funding
5.2.2.4.2.2 5.2.2.4.3	WSRC, Clemsan Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Costs LiEns Plutonium Ceramic Test Facility (PuCTF) LINL, WSRC Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Monthly Projection Cumulative Monthly Projection Major Procurement Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Monthly Projection Cumulative Costs	281,500 960,052 1,241,552 1,241,552 2,241,552 3,241,552 3,000 140,678 780,678 780,678 780,678 Oct 00 5,500 0 24,5700 251,200 251,200 0,5,339 251,059 Oct 00	320,700 0 320,700 1,562,252 618,515 1,471,740 Nov 00 637,000 30,000 667,000 1,447,673 1,182,405 1,392,052 Nov 00 25,100 0 25,100 276,300 276,300 276,300 276,300 276,300 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	400,400 0 400,400 1,962,652 959,442 1,683,227 Dec 00 587,000 30,000 617,000 2,004,678 1,841,241 1,933,714 Dec 00 48,900 0 0 48,900 325,200 40,919 286,619 Dec 00	-70,900 1,659,600 0 1,588,700 3,551,352 1,455,981 1,455,981 1,455,981 205,000 20,000 0 22,289,678 2,186,346 2,278,661 Jan 01 -18,700 0 -18,700 306,500 45,432 291,132 Jan 01	260,000 0 0 0 0 0 0 0 0 0 0 0 0 3,811,352 Feb 01 530,000 0 530,000 2,819,678 Feb 01 32,000 32,000 338,500 Feb 01	320,000 0 320,000 4,131,352 Mar 01 435,000 0 435,000 3,254,678 Mar 01 36,000 0 0 36,000 374,500 Mar 01	260,000 0 0 260,000 4,391,352 Apr 01 230,000 0 230,000 3,484,678 Apr 01 30,000 0 0 0 404,500	300,000 0 0 0 300,000 4,691,352 May 01 194,000 0 194,000 3,678,678 May 01 30,000 434,500 May 01	320,000 0 0 320,000 5,011,352 Jun 01 235,000 0 0 235,000 3,913,678 Jun 01 34,000 468,500 Jun 01	350,000 220,000 0 570,000 5,581,352 Jul 01 230,000 0 230,000 4,143,678 Jul 01 31,000 0 0 31,000 499,500 Jul 01	436,000 0 0 436,000 6,017,352 Aug 01 235,000 0 0 235,000 4,378,678 Aug 01 33,500 533,000	377,275 0 0 377,275 0 377,275 6,394,627 Sept 01 265,999 0 0 265,999 4,644,677 Sept 01 30,000 0 0 30,000 563,000 Sept 01	3,554,975 1,879,600 960,052 6,394,627 Totals 4,393,999 110,000 140,678 4,644,677 Totals 317,300 0 245,7000 563,000	Var. 59% 0% Cum. Var. 5% 0% Cum. Var. Cum. Var.	960,052 Comm. C/O 1.244,975 Uncommitted C/O 6,394,627 Total FY01 Funding 4.176,000 New FY01 Funds 140,677 Comm. C/O 328,000 Uncommitted C/O 4,644,677 Total FY01 Funding 267,000 New FY01 Funds 245,700 Comm. C/O 50,300 Uncommitted C/O 563,000 Total FY01 Funding
5.2.2.4.2.2 5.2.2.4.3	WSRC. Clemsan Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs - Liens Plutonium Ceramic Test Facility (PuCTF) LLNL, WSRC Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Monthly Projection Cumulative Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Projection Major Procurement Projection Major Procurement Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Costs + Liens Recycle of Unacceptable Materials LINL, WSRC Manpower Projection Major Procurement Projection Major Procurement Projection Major Procurement Projection Major Procurement Projection	281,500 960,052 1,241,552 1,24	320,700 0 320,700 1,562,252 618,515 1,471,740 Nov 00 637,000 30,000 0 667,000 1,447,678 1,182,405 1,392,052 Nov 00 25,100 25,100 276,300 26,836 Nov 00	400,400 0 400,400 1,962,652 959,442 1,683,227 Dec 00 587,000 30,0000 0 6117,000 0 6117,000 0 0 48,900 0 48,900 0 325,200 0 48,900 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-70,900 1,659,600 0,588,700 3,551,355 1,455,981 1,455,981 1,455,981 1,455,981 1,455,981 1,455,981 1,455,981 1,455,981 1,456,981 205,000 0 225,000 0 225,000 0 225,000 0 1225,000 0 1245,000 0 145,432 291,132 Jan 01	260,000 0 0 0 260,000 3,811,352 Feb 01 530,000 2,819,678 Feb 01 32,000 0 0 32,000 338,500 Feb 01	320,000 0 320,000 4,131,352 Mar 01 435,000 0 435,000 3,254,678 Mar 01 0 0 0 Mar 01	260,000 0 0 0 260,000 4,391,352 Apr 01 230,000 0 230,000 0 3,484,678 Apr 01 30,000 0 404,500 Apr 01	300,000 0 0 300,000 4,691,352 May 01 194,000 0 194,000 3,678,678 May 01 30,000 434,500 May 01	320,000 0 0 320,000 5,011,352 Jun 01 235,000 0 0 235,000 3,913,678 Jun 01 34,000 468,500 Jun 01 0 0 0	330,000 220,000 0 570,000 5,581,352 Jul 01 230,000 4,143,678 Jul 01 31,000 0 31,000 499,500 Jul 01	436,000 0 0 436,000 6,017,352 Aug 01 235,000 0 235,000 4,378,678 Aug 01 33,500 533,000 Aug 01	377,275 0 0 377,275 0 377,275 6,394,627 Sept 01 265,999 0 0 265,999 4,644,677 Sept 01 30,000 0 0 30,000 563,000 Sept 01	3,554,975 1,879,600 960,052 6,394,627 Totals 4,393,999 110,000 140,678 4,644,677 Totals 317,300 0 245,7000 563,000	Var. 59% 0% Cum. Var. 5% 0% Cum. Var. Cum. Var.	960,052 Comm. C/O 1.244,975 Uncommitted C/O 6,394,627 Total FY01 Funding 4.176,000 New FY01 Funds 140,677 Comm. C/O 328,000 Uncommitted C/O 4,644,677 Total FY01 Funding 267,000 New FY01 Funding 267,000 New FY01 Funds 245,700 Comm. C/O 50,300 Uncommitted C/O 563,000 Total FY01 Funding 0 New FY01 Funds 0 Comm. C/O 0 Uncommitted C/O 0 Uncommitted C/O

5.2.2.4.5	Can Loading WSRC	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection	40,800	27,900	34,400 0	6,900 0	20,000	25,000 0	20,000	20,000	25,000 0	25,000 0	30,000 0	25,000	300,000		165,000 New FY01 Funds 0 Comm. C/O
	FY00 Liens	0	0	0	0	0	0	0	0	0	0	0	0	0		135,000 Uncommitted C/O
	Total Monthly Projection	40,800	27,900	34,400	6,900	20,000	25,000	20,000	20,000	25,000	25,000	30,000	25,000	300,000		300,000 Total FY01 Funding
	Cumulative Monthly Projection	40,800	68,700	103,100	110,000	130,000	155,000	175,000	195,000	220,000	245,000	275,000	300,000			
	Cumulative Costs	41,141	75,622	97,617	113,817										-3%	
	Cumulative Costs + Liens	41,141	75,622	97,617	113,817										-3%	
5.2.2.4.6	Can MC&A WSRC	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	4,000	7,300	8,200	-10,500	3,000	6,000	3,000	3,000	6,000	0	0	0	30,000		30,000 New FY01 Funds
	Major Procurement Projection FY00 Liens	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Comm. C/O 0 Uncommitted C/O
	Total Monthly Projection	4,000	7,300	8,200	-10,500	3,000	6,000	3,000	3,000	6,000	0	0	0	30,000		30,000 Total FY01 Funding
	Cumulative Monthly Projection	4.000	11,300	19,500	9,000	12,000	18,000	21,000	24,000	30,000	30,000	30.000	30.000	,		
	Cumulative Costs	3,935	6,307	7,304	8,053								•		11%	
	Cumulative Costs + Liens	3,935	6,307	7,304	8,053										11%	
5.2.2.4	First Stage Immobilization Total Lead - Guy Armantrout	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	958,700	1,060,700	1,122,100	194,500	870,000	872,000	593,000	590,500	647,000	663,000	761,500	725,274	9,058,274		9,324,600 New FY01 Funds
	Major Procurement Projection	30,000	30,000	30,000	1,679,600	5,000	5,000	5,000	4,000	4,000	224,000	4,000	4,000	2,024,600		1,406,502 Comm. C/O
	FY00 Liens	1,406,503	0	0	0	0	0	0	0	0	0	0	0	1,406,503		1,758,275 Uncommitted C/O
	Total Monthly Projection	2,395,203	1,090,700	1,152,100	1,874,100	875,000	877,000	598,000	594,500	651,000	887,000	765,500	729,274	12,489,377		12,489,377 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs	2,395,203 1,036,086	3,485,903 1,947,593	4,638,003 3,101,049	6,512,103 4,055,722	7,387,103	8,264,103	8,862,103	9,456,603	10,107,603	10,994,603	11,760,103	12,489,377		38%	
	Cumulative Costs + Liens	2,376,775	3,316,238	4,163,031	6,472,361										1%	
		747	.,,	,,	., .,											
5.2.2.5.1.1	Can in Canister Design and Assembly	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum.	
	WSRC		10.000	40.000			40.000	40.000						07.000	Var.	
	Manpower Projection Major Procurement Projection	26,000 0	16,000 0	16,000 0	7,000 0	8,000	12,000 0	10,000	0	0	0	0	0	95,000		95,000 New FY01 Funds 0 Comm. C/O
	FY00 Liens	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Uncommitted C/O
	Total Monthly Projection	26,000	16,000	16,000	7,000	8.000	12,000	10,000	0	0	0	0	0	95,000		95,000 Total FY01 Funding
	Cumulative Monthly Projection	26,000	42,000	58,000	65,000	73,000	85,000	95,000	95,000	95,000	95,000	95,000	95,000			
	Cumulative Costs	26,482	42,803	58,784	63,689										2%	
	Cumulative Costs + Liens	26,482	48,152	62,782	67,687										-4%	
5.2.2.5.1.2	Canister Pour Analysis and Testing LLNL, WSRC, PNNL	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	26,800	23,000	20,000	-30,000	9,000	11,200	8,000	6,000	6,000	3,000	0	0	83,000		83,000 New FY01 Funds 43,779 Comm. C/O
	Major Procurement Projection FY00 Liens	0 43,779	0	0	0	0	0	0	0	0	0	0	0	43.779		0 Uncommitted C/O
	Total Monthly Projection	70,579	23.000	20,000	-30,000	9.000	11.200	8.000	6.000	6.000	3.000	0	0	126,779		126,779 Total FY01 Funding
	Cumulative Monthly Projection	70,579	93,579	113,579	83,579	92,579	103,779	111,779	117,779	123,779	126,779	126,779	126,779	,		,
	Cumulative Costs	25,561	42,200	48,294	51,514										38%	
	Cumulative Costs + Liens	67,839	93,479	74,970	78,190										6%	
5.2.2.5.1.3	Can/Magazine Storage Vault WSRC	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	0	0	0	1,000	0	0	0	0	0	0	0	0	1,000		1,000 New FY01 Funds
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Comm. C/O
	FY00 Liens	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Uncommitted C/O
	Total Monthly Projection Cumulative Monthly Projection	0	0	0	1,000 1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000		1,000 Total FY01 Funding
	Cumulative Costs Cumulative Costs + Liens	0	613 613	613 613	613 613	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000		39% 39%	
5.2.2.5	Second Stage Immobilization Process/Equip Development Total	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
J.å.å.J	Lead - Tehmau Kan															
3.6.6.3	Lead - Tehmau Kan Manpower Projection	52,800	39,000	36,000	-22,000	17,000	23,200	18,000	6.000	6.000	3,000	0	0	179.000	1	179,000 New FY01 Funds
J.L.L.J	Manpower Projection Major Procurement Projection	52,800 0	39,000 0	36,000 0	-22,000 0	17,000 0	23,200 0	18,000 0	6,000 0	6,000 0	3,000 0	0	0	179,000 0		179,000 New FY01 Funds 43,779 Comm. C/O
3.2.2.3	Manpower Projection Major Procurement Projection FY00 Liens	0 43,779	0 0	0	0	0	0	0	0	0	0		0 0 0	0 43,779		43,779 Comm. C/O 0 Uncommitted C/O
J.E.E.J	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	0 43,779 96,579	0 0 39,000	0 0 36,000	0 0 -22,000	0 0 17,000	0 0 23,200	0 0 18,000	0 0 6,000	0 0 6,000	0 0 3,000	0 0 0	0 0 0 0	0		43,779 Comm. C/O
J.L.L.J	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection	96,579 96,579	0 0 39,000 135,579	0 0 36,000 171,579	0 0 -22,000 149,579	0	0	0	0	0	0	0	0 0 0 0 222,779	0 43,779	990/	43,779 Comm. C/O 0 Uncommitted C/O
J. L. L. J	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs	0 43,779 96,579 96,579 52,043	0 39,000 135,579 85,616	0 0 36,000 171,579 107,691	0 0 -22,000 149,579 115,816	0 0 17,000	0 0 23,200	0 0 18,000	0 0 6,000	0 0 6,000	0 0 3,000	0 0 0	0 0 0 0 0 222,779	0 43,779	23% 2%	43,779 Comm. C/O 0 Uncommitted C/O
J. L. L. J	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection	96,579 96,579	0 0 39,000 135,579	0 0 36,000 171,579	0 0 -22,000 149,579	0 0 17,000	0 0 23,200	0 0 18,000	0 0 6,000	0 0 6,000	0 0 3,000	0 0 0	0 0 0 0 222,779	0 43,779	23% 2%	43,779 Comm. C/O 0 Uncommitted C/O

5.2.3.1.1	Radiation-Damaged Sample Synthesis PNNL	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	33,212	38,516	42,024	44,780	52,021	59,834	64,213	65,151	52,210	48,478	47,353	45,208	593,000		593,000 New FY01 Funds
	Major Procurement Projection FY00 Liens	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Comm. C/O 0 Uncommitted C/O
	Total Monthly Projection	33,212	38,516	42,024	44,780	52,021	59,834	64,213	65,151	52,210	48,478	47,353	45,208	593,000		593,000 Total FY01 Funding
	Cumulative Monthly Projection	33,212	71,728	113,752	158,532	210,553	270,387	334,600	399,751	451,961	500,439	547,792	593,000			
	Cumulative Costs Cumulative Costs + Liens	33,212 33,212	66,671 66,671	125,729 126,888	172,283 173,442										-9% -9%	
5.2.3.1.2	Short-Term Corrosion Tests ANL	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	10,000	15,000 0	8,000	24,000 0	0	0	0	0	0	0	0	0	57,000		57,000 New FY01 Funds 0 Comm. C/O
	Major Procurement Projection FY00 Liens	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Uncommitted C/O
	Total Monthly Projection	10,000	15,000	8,000	24,000	0	0	0	0	0	0	0	0	57,000		57,000 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs	10,000 23,200	25,000 40,000	33,000 57,200	57,000 57,200	57,000	57,000	57,000	57,000	57,000	57,000	57,000	57,000		0%	
	Cumulative Costs + Liens	23,200	40,000	57,200	57,200										0%	
5.2.3.1.3	Long-Term Corrosion Tests ANL	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	20,000	30,000	20,000	22,500	22,000	22,000	22,000	22,000	22,000	22,000	22,000	21,835	268,335		235,000 New FY01 Funds
	Major Procurement Projection FY00 Liens	0 17,500	0	0	0	0	0	0	0	0	0	0	0	0 17,500		17,500 Comm. C/O 33,335 Uncommitted C/O
	Total Monthly Projection	37,500	30,000	20,000	22,500	22,000	22,000	22,000	22,000	22,000	22,000	22,000	21,835	285,835		285,835 Total FY01 Funding
	Cumulative Monthly Projection	37,500	67,500	87,500	110,000	132,000	154,000	176,000	198,000	220,000	242,000	264,000	285,835			
	Cumulative Costs	25,700 39,200	53,100 62,100	84,300 93,300	105,300 107,608										4% 2%	
	Cumulative Costs + Liens	39,200	62,100	93,300	107,608										Z%	
5.2.3.1.4	Integrated Corrosion Tests ANL, PNNL	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	40,083	46,750	35,450	38,012	29,100	29,051	29,002	23,928	23,926	23,897	28,902	23,899	372,000		372,000 New FY01 Funds
	Major Procurement Projection FY00 Liens	0 16.211	0	0	0	0	0	0	0	0	0	0	0	16.211		16,211 Comm. C/O 0 Uncommitted C/O
	Total Monthly Projection	56,294	46,750	35,450	38,012	29,100	29,051	29,002	23,928	23,926	23,897	28,902	23,899	388,211		388,211 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs	56,294 38,313	103,044 69,973	138,494 116,846	176,506 173,342	205,606	234,657	263,659	287,587	311,513	335,410	364,312	388,211		2%	
	Cumulative Costs Cumulative Costs + Liens	53,299	81,140	127,755	173,342										-2%	
			,	,	,											
5.2.3.1.5	Single-Pass Flow-Through Tests	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum.	
5.2.3.1.5	LLNL, PNNL														Cum. Var.	502 500 Now EV01 Funds
5.2.3.1.5	LLNL, PNNL Manpower Projection	Oct 00 63,682 0	Nov 00 52,559 0	Dec 00 56,559 0	Jan 01 87,527 0	33,302 0	Mar 01 41,117 0	Apr 01 39,654 0	May 01 41,189 0	Jun 01 31,214 0	34,879	Aug 01 32,521 0	Sept 01 33,298 0	Totals 547,501		503,500 New FY01 Funds 15,491 Comm. C/O
5.2.3.1.5	LLNL, PNNL Manpower Projection Major Procurement Projection FY00 Liens	63,682 0 15,491	52,559 0 0	56,559 0 0	87,527 0 0	33,302 0 0	41,117 0 0	39,654 0 0	41,189 0 0	31,214 0 0	34,879 0 0	32,521 0 0	33,298 0 0	547,501 0 15,491		15,491 Comm. C/O 44,001 Uncommitted C/O
5.2.3.1.5	LLNL, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	63,682 0 15,491 79,173	52,559 0 0 52,559	56,559 0 0 56,559	87,527 0 0 87,527	33,302 0 0 33,302	41,117 0 0 41,117	39,654 0 0 39,654	41,189 0 0 41,189	31,214 0 0 31,214	34,879 0 0 34,879	32,521 0 0 32,521	33,298 0 0 33,298	547,501 0		15,491 Comm. C/O
5.2.3.1.5	LLNL, PNNL Manpower Projection Major Procurement Projection FY00 Liens	63,682 0 15,491 79,173 79,173 63,485	52,559 0 0 52,559 131,732 109,312	56,559 0 0 56,559 188,291 189,264	87,527 0 0 87,527 275,818 270,129	33,302 0 0	41,117 0 0	39,654 0 0	41,189 0 0	31,214 0 0	34,879 0 0	32,521 0 0	33,298 0 0	547,501 0 15,491	Var.	15,491 Comm. C/O 44,001 Uncommitted C/O
5.2.3.1.5	LLNL, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection	63,682 0 15,491 79,173 79,173	52,559 0 0 52,559 131,732	56,559 0 0 56,559 188,291	87,527 0 0 87,527 275,818	33,302 0 0 33,302	41,117 0 0 41,117	39,654 0 0 39,654	41,189 0 0 41,189	31,214 0 0 31,214	34,879 0 0 34,879	32,521 0 0 32,521	33,298 0 0 33,298	547,501 0 15,491		15,491 Comm. C/O 44,001 Uncommitted C/O
5.2.3.1.5 5.2.3.1.6	LLNL, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs	63,682 0 15,491 79,173 79,173 63,485	52,559 0 0 52,559 131,732 109,312	56,559 0 0 56,559 188,291 189,264	87,527 0 0 87,527 275,818 270,129	33,302 0 0 33,302	41,117 0 0 41,117	39,654 0 0 39,654	41,189 0 0 41,189	31,214 0 0 31,214	34,879 0 0 34,879	32,521 0 0 32,521	33,298 0 0 33,298	547,501 0 15,491	Var.	15,491 Comm. C/O 44,001 Uncommitted C/O
	ILINI, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Dissolution Model Development LLNL, PNNL Manpower Projection	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00	52,559 0 0 52,559 131,732 109,312 133,222 Nov 00	56,559 0 0 56,559 188,291 189,264 200,447 Dec 00	87,527 0 0 87,527 275,818 270,129 291,534 Jan 01	33,302 0 0 33,302 309,120	41,117 0 0 41,117 350,237 Mar 01	39,654 0 0 39,654 389,891 Apr 01	41,189 0 0 41,189 431,080 May 01	31,214 0 0 31,214 462,294 Jun 01	34,879 0 0 34,879 497,173 Jul 01	32,521 0 0 32,521 529,694 Aug 01	33,298 0 0 33,298 562,992	547,501 0 15,491 562,992	2% -6%	15,491 Comm. C/O 44,001 Uncommitted C/O 562,992 Total FY01 Funding 55,000 New FY01 Funds
	LLNL, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens Dissolution Model Development LLNL, PNNL Manpower Projection Major Procurement Projection	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00	52,559 0 0 52,559 131,732 109,312 133,222 Nov 00	56,559 0 0 56,559 188,291 189,264 200,447 Dec 00 9,231 0	87,527 0 0 87,527 275,818 270,129 291,534 Jan 01	33,302 0 0 33,302 309,120 Feb 01	41,117 0 0 41,117 350,237 Mar 01	39,654 0 0 39,654 389,891 Apr 01	41,189 0 0 41,189 431,080 May 01	31,214 0 0 31,214 462,294 Jun 01	34,879 0 0 34,879 497,173 Jul 01	32,521 0 0 32,521 529,694 Aug 01	33,298 0 0 33,298 562,992	547,501 0 15,491 562,992	2% -6%	15.491 Comm. C/O 44,001 Uncommitted C/O 562,992 Total FY01 Funding 55,000 New FY01 Funds 0 Comm. C/O
	ILINI, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Dissolution Model Development LLNL, PNNL Manpower Projection	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00	52,559 0 0 52,559 131,732 109,312 133,222 Nov 00	56,559 0 0 56,559 188,291 189,264 200,447 Dec 00	87,527 0 0 87,527 275,818 270,129 291,534 Jan 01	33,302 0 0 33,302 309,120	41,117 0 0 41,117 350,237 Mar 01	39,654 0 0 39,654 389,891 Apr 01	41,189 0 0 41,189 431,080 May 01	31,214 0 0 31,214 462,294 Jun 01	34,879 0 0 34,879 497,173 Jul 01	32,521 0 0 32,521 529,694 Aug 01	33,298 0 0 33,298 562,992	547,501 0 15,491 562,992	2% -6%	15,491 Comm. C/O 44,001 Uncommitted C/O 562,992 Total FY01 Funding 55,000 New FY01 Funds
	ILINI. PNNI. Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens Dissolution Model Development ILINI. PNNI. Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Monthly Projection	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00 9,231 0 0 9,231 9,231	52,559 0 0 52,559 131,732 109,312 133,222 Nov 00 9,231 0 0 9,231 18,462	56,559 0 0 56,559 188,291 189,264 200,447 Dec 00 9,231 0 0 9,231 27,693	87,527 0 0 87,527 275,818 270,129 291,534 Jan 01 27,307 0 0 27,307 55,000	33,302 0 0 33,302 309,120 Feb 01	41,117 0 0 41,117 350,237 Mar 01	39,654 0 0 39,654 389,891 Apr 01	41,189 0 0 41,189 431,080 May 01	31,214 0 0 31,214 462,294 Jun 01	34,879 0 0 34,879 497,173 Jul 01	32,521 0 0 32,521 529,694 Aug 01 0 0	33,298 0 0 33,298 562,992	547,501 0 15,491 562,992 Totals	2% -6% Cum. Var.	15.491 Comm. C/O 44.001 Uncommitted C/O 562.992 Total FY01 Funding 55.000 New FY01 Funds 0 Comm. C/O 0 Uncommitted C/O
	ILINI, PNNI. Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs United The Costs Cumulative Costs Cumulative Costs + Liens Dissolution Model Development ILINI, PNNI. Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00 9,231 0 9,231 9,231 9,231	52,559 0 0 52,559 131,732 109,312 133,222 Nov 00 9,231 0 0 9,231 18,462 18,366	56,559 0 0 56,559 188,291 189,264 200,447 Dec 00 9,231 0 0 9,231 27,693 28,236	87,527 0 0,527 275,818 270,129 291,534 Jan 01 27,307 0 27,307 55,000 55,515	33,302 0 0 33,302 309,120 Feb 01	41,117 0 0 41,117 350,237 Mar 01	39,654 0 0 39,654 389,891 Apr 01	41,189 0 0 41,189 431,080 May 01	31,214 0 0 31,214 462,294 Jun 01	34,879 0 0 34,879 497,173 Jul 01 0 0	32,521 0 0 32,521 529,694 Aug 01	33.298 0 0 33.298 562,992 Sept 01	547,501 0 15,491 562,992 Totals	2% -6% Cum. Var.	15.491 Comm. C/O 44.001 Uncommitted C/O 562.992 Total FY01 Funding 55.000 New FY01 Funds 0 Comm. C/O 0 Uncommitted C/O
	ILINI, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Projection Dissolution Model Development LLINI, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Costs	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00 9,231 0 0 9,231 9,231	52,559 0 0 52,559 131,732 109,312 133,222 Nov 00 9,231 0 0 9,231 18,462	56,559 0 0 56,559 188,291 189,264 200,447 Dec 00 9,231 0 0 9,231 27,693	87,527 0 0 87,527 275,818 270,129 291,534 Jan 01 27,307 0 0 27,307 55,000	33,302 0 0 33,302 309,120 Feb 01	41,117 0 0 41,117 350,237 Mar 01	39,654 0 0 39,654 389,891 Apr 01	41,189 0 0 41,189 431,080 May 01	31,214 0 0 31,214 462,294 Jun 01	34,879 0 0 34,879 497,173 Jul 01 0 0	32,521 0 0 32,521 529,694 Aug 01	33.298 0 0 33.298 562,992 Sept 01	547,501 0 15,491 562,992 Totals	2% -6% Cum. Var.	15.491 Comm. C/O 44.001 Uncommitted C/O 562.992 Total FY01 Funding 55.000 New FY01 Funds 0 Comm. C/O 0 Uncommitted C/O
	ILINI, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Costs Dissolution Model Development ILINI, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Testing and Dissolution Modeling Total	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00 9,231 0 9,231 9,231 9,231	52,559 0 0 52,559 131,732 109,312 133,222 Nov 00 9,231 0 0 9,231 18,462 18,366	56,559 0 0 56,559 188,291 189,264 200,447 Dec 00 9,231 0 0 9,231 27,693 28,236	87,527 0 0,527 275,818 270,129 291,534 Jan 01 27,307 0 27,307 55,000 55,515	33,302 0 0 33,302 309,120 Feb 01	41,117 0 0 41,117 350,237 Mar 01	39,654 0 0 39,654 389,891 Apr 01	41,189 0 0 41,189 431,080 May 01	31,214 0 0 31,214 462,294 Jun 01	34,879 0 0 34,879 497,173 Jul 01 0 0	32,521 0 0 32,521 529,694 Aug 01	33.298 0 0 33.298 562,992 Sept 01	547,501 0 15,491 562,992 Totals	2% -6% Cum. Var1% -1% Cum.	15.491 Comm. C/O 44.001 Uncommitted C/O 562.992 Total FY01 Funding 55.000 New FY01 Funds 0 Comm. C/O 0 Uncommitted C/O
5.2.3.1.6	ILINI, PNNI. Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs - Liens Dissolution Model Development ILINI, PNNI. Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Costs - Liens Form Performance Testing and Dissolution Modeling Total ILINI, PNNI. Manpower Projection	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00 9,231 0 0 9,231 6,660 6,660	52,559 0 0 52,559 131,732 109,312 133,222 Nov 00 9,231 0 0 9,231 18,462 18,366 18,366	56,559 0 0 188,291 189,264 200,447 Dec 00 9,231 0 0 27,693 28,236 Dec 00	87,527 0 0 87,527 275,818 270,129 291,534 Jan 01 27,307 0 0 27,307 55,000 55,515 55,515	33,302 0 0 33,302 309,120 Feb 01 Feb 01	41,117 0 0 0 41,117 350,237 Mar 01 0 0 0 0 0 55,000	39,654 0 0 39,654 389,891 Apr 01 0 0 55,000	41,189 0 0 41,189 431,080 May 01 0 0 0 55,000	31,214 0 0 31,214 462,294 Jun 01 0 0 0 55,000	34,879 0 0 0 34.79 34,79 497,173 Jul 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32,521 0 0 32,521 529,694 Aug 01 0 0 0 55,000	33,298 0 0 33,298 562,992 Sept 01 0 0 0 55,000	547,501 0 15,491 562,992 Totals 55,000 0 0 55,000	2% -6% Cum. Var.	15.491 Comm. C/O 44.001 Uncommitted C/O 562.992 Total FY01 Funding 55.000 New FY01 Funds 0 Comm. C/O 0 Uncommitted C/O 55.000 Total FY01 Funding
5.2.3.1.6	ILINI, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Costs Liens Dissolution Model Development LLINI, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Monthly Projection Cumulative Costs Cumulative	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00 9,231 9,231 6,660 Oct 00	52,559 0 0 52,559 131,732 109,312 133,222 Nov 00 9,231 18,462 18,366 Nov 00	56,559 0 0 0 56,559 188,291 189,264 200,447 Dec 00 9,231 27,693 28,236 28,236 Dec 00	87,527 0 0 0 87,527 275,518 270,129 291,534 Jan 01 27,307 0 0 27,307 55,000 55,515 Jan 01	33,302 0 0 33,302 309,120 Feb 01 Feb 01	41,117 0 0 41,117 350,237 Mar 01 0 0 0 0 0 0 0 155,000	39,654 0 0 39,654 389,891 Apr 01 0 0 0 55,000	41,189 0 0 41,189 431,080 May 01 0 0 0 0 55,000	31,214 0 0 31,214 462,294 Jun 01 0 0 0 55,000	34,879 0 0 34,879 497,173 Jul 01 0 0 0 0 0 55,000	32,521 0 0 3 32,521 529,694 Aug 01 0 0 0 55,000	33,298 0 0 0 33,298 562,992 Sept 01	547,501 0 15,491 562,992 Totals 55,000 0 0 55,000 Totals	2% -6% Cum. Var1% -1% Cum.	15.491 Comm. C/O 44.001 Uncommitted C/O 562.992 Total FY01 Funding 55.000 New FY01 Funds 0 Comm. C/O 0 Uncommitted C/O 55.000 Total FY01 Funding
5.2.3.1.6	ILINI, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs + Liens Dissolution Model Development ILINI, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs + Liens Form Performance Testing and Dissolution Modeling Total LINI, PNNL Manpower Projection Major Procurement Projection Major Procurement Projection	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00 9,231 0 0 9,231 6,660 0 0 176,208 0 49,202	52,559 0 0 52,559 131,732 109,312 133,222 Nov 00 9,231 0 0 9,231 18,462 18,366 18,366	56,559 0 0 56,559 188,291 189,264 200,447 Dec 00 9,231 0 0 9,231 27,693 28,236 Dec 00	87,527 0 0 87,527 275,818 270,129 291,534 Jan 01 27,307 0 0 27,307 55,000 55,515 Jan 01	33,302 0 0 33,302 309,120 Feb 01 Feb 01	41,117 0 0 41,117 350,237 Mar 01 0 0 0 0 0 55,000	39,654 0 0 39,654 389,891 Apr 01 0 0 0 0 55,000	41,189 0 0 41,189 431,080 May 01 0 0 0 55,000	31,214 0 0 31,214 462,294 Jun 01 0 0 0 55,000	34,879 0 0 0 34,879 497,173 Jul 01 0 0 0 0 0 55,000	32,521 0 0 32,521 529,694 Aug 01 0 0 55,000	33,298 0 0 33,298 562,992 Sept 01 0 0 0 55,000 Sept 01	547,501 0 15,491 562,992 Totals 55,000 0 0 55,000 Totals	2% -6% Cum. Var1% -1% Cum.	15.491 Comm. C/O 44.001 Uncommitted C/O 562.992 Total FY01 Funding 55.000 New FY01 Funds 0 Comm. C/O 0 Uncommitted C/O 55.000 Total FY01 Funding
5.2.3.1.6	ILINL, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Costs + Liens Dissolution Model Development ILINL, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Total Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Gumlative Monthly Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00 9,231 9,2	52,559 0 0 52,559 131,732 109,312 133,222 Nov 00 9,231 0 0 9,231 18,462 18,366 18,366	56,559 0 0 0 56,559 188,291 189,264 200,447 Dec 00 9,231 0 0 9,231 27,993 28,236 28,236 Dec 00	87,527 0 0 87,527 275,518 270,129 291,534 Jan 01 27,307 0 0 7 27,307 55,000 55,515 Jan 01 244,126 0 0 244,126	33,302 0 0 33,302 309,120 Feb 01 Feb 01	41,117 0 0 41,117 350,237 Mar 01 0 0 0 0 0 0 0 155,000	39,654 0 0 39,654 389,891 Apr 01 0 0 0 55,000	41,189 0 0 41,189 431,080 May 01 0 0 0 0 55,000 May 01	31,214 0 0 31,214 462,294 Jun 01 0 0 0 55,000 Jun 01	34,879 0 0 34,879 497,173 Jul 01 0 0 0 0 0 55,000	32,521 0 0 3 32,521 529,694 Aug 01 0 0 0 55,000	33,298 0 0 0 33,298 562,992 Sept 01	547,501 0 15,491 562,992 Totals 55,000 0 0 55,000 Totals	2% -6% Cum. Var1% -1% -1% Var.	15.491 Comm. C/O 44.001 Uncommitted C/O 562.992 Total FY01 Funding 55.000 New FY01 Funds 0 Comm. C/O 0 Uncommitted C/O 55.000 Total FY01 Funding 1.815.500 New FY01 Funds 49.202 Comm. C/O 77.338 Uncommitted C/O
5.2.3.1.6	ILINI, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Testing and Dissolution Modeling Total ILINI, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection FY00 Liens Tom Procurement Projection FY00 Liens Total Monthly Projection	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00 9,231 0 9,231 9,231 9,231 9,231 9,231 9,240 9,240 9,240 9,202 225,410	52,559 0 0 52,559 131,732 109,312 133,222 Nov 00 9,231 18,462 18,366 Nov 00	56,559 0 0 0 56,559 188,291 189,264 200,447 Dec 00 9,231 27,693 28,236 Dec 00	87,527 0 0 0 87,527 275,518 270,129 291,534 Jan 01 27,307 0 0 27,307 55,000 55,515 55,515 Jan 01	33,302 0 0 33,302 309,120 Feb 01 0 0 0 55,000	41,117 0 0 41,117 350,237 Mar 01 0 0 0 0 55,000 Mar 01	39,654 0 0 39,654 389,891 Apr 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	41,189 0 0 41,189 431,080 May 01 0 0 0 0 55,000 May 01	31,214 0 0 31,214 462,294 Jun 01 0 0 0 0 55,000 Jun 01 129,350 0 129,350	34,879 0 0 34,879 497,173 Jul 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32,521 0 0 32,521 529,694 Aug 01 0 0 0 55,000 Aug 01	33,298 0 0 33,298 562,992 Sept 01 0 0 0 55,000 Sept 01	547,501 0 15,491 562,992 Totals 55,000 0 0 55,000 Totals	2% -6% Cum. Var1% -1% Cum.	15.491 Comm. C/O 44.001 Uncommitted C/O 562.992 Total FY01 Funding 55.000 New FY01 Funds 0 Comm. C/O 0 Uncommitted C/O 55.000 Total FY01 Funding 1.815.500 New FY01 Funds 49.202 Comm. C/O 77.338 Uncommitted C/O
5.2.3.1.6 5.2.3.1	ILINI, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs + Liens Dissolution Model Development ILINI, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs + Liens Form Performance Testing and Dissolution Modeling Total LINI, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Costs + Liens	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00 9,231 9,231 6,660 Oct 00 176,208 0 49,202 225,410 190,570 233,668	52,559 0 0 52,559 131,732 109,312 133,222 Nov 00 9,231 18,462 18,366 18,366 Nov 00 192,056 0 0 192,056 417,466 357,421 401,498	56,559 0 0 0 56,559 188,291 189,264 200,447 Dec 00 9,231 27,693 28,236 28,236 Dec 00 171,264 588,730 601,575 633,826	87,527 0 0 0 7 7 87,518 270,129 291,534 Jan 01 27,307 0 0 27,307 55,000 55,515 55,515 55,515 244,128 0 0 0 244,286 832,856	33,302 0 0 33,302 309,120 Feb 01 0 0 55,000 Feb 01 136,423 0 0 136,423 969,279	41,117 0 0 41,117 350,237 Mar 01 0 0 0 0 55,000 Mar 01	39,654 0 0 39,654 389,891 Apr 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	41,189 0 0 41,189 431,080 May 01 0 0 0 0 55,000 May 01	31,214 0 0 31,214 462,294 Jun 01 0 0 0 0 55,000	34,879 0 0 34,879 497,173 Jul 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32,521 0 0 32,521 529,694 Aug 01 0 0 0 55,000 Aug 01	33,298 0 0 33,298 562,992 Sept 01 0 0 0 55,000 Sept 01	547,501 0 15,491 562,992 Totals 55,000 0 0 55,000 Totals	2% -6% Cum. Var1% -1% -1% Var1% -1% -1% -1% Cum. Var1% Cum. Var1% -1% Cum. Var1% -1% -1% -1% -1% -1% -1% -1% -1% -1%	15.491 Comm. C/O 44.001 Uncommitted C/O 562.992 Total FY01 Funding 55.000 New FY01 Funds 0 Comm. C/O 0 Uncommitted C/O 55.000 Total FY01 Funding 1.815.500 New FY01 Funds 49.202 Comm. C/O 77.338 Uncommitted C/O
5.2.3.1.6	ILINL, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Projection Major Procurement Projection Cumulative Costs Cumula	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00 9,231 0,9,231 9	52,559 0 0 52,559 131,732 109,312 133,222 Nov 00 9,231 18,462 18,366 18,366 Nov 00 192,056 417,466 357,421	56,559 0 0 0 59 188,291 189,264 200,447 Dec 00 9,231 27,693 28,236 28,236 Dec 00 171,264 0 0 171,264 588,730	87,527 0 0 0 7 7 87,518 270,129 291,534 Jan 01 27,307 0 0 27,307 55,000 55,515 55,515 55,515 244,128 0 0 0 244,286 832,856	33,302 0 0 33,302 309,120 Feb 01 0 0 0 55,000	41,117 0 0 41,117 350,237 Mar 01 0 0 0 0 55,000 Mar 01	39,654 0 0 39,654 389,891 Apr 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	41,189 0 0 41,189 431,080 May 01 0 0 0 0 55,000 May 01	31,214 0 0 31,214 462,294 Jun 01 0 0 0 0 55,000	34,879 0 0 34,879 497,173 Jul 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32,521 0 0 32,521 529,694 Aug 01 0 0 0 55,000 Aug 01	33,298 0 0 33,298 562,992 Sept 01 0 0 0 55,000 Sept 01	547,501 0 15,491 562,992 Totals 55,000 0 0 55,000 Totals	2% -6% -6% - Cum. Var1% -1% -1% -1% -4% - Cum. Var0% -4% -4% - Cum.	15.491 Comm. C/O 44.001 Uncommitted C/O 562.992 Total FY01 Funding 55.000 New FY01 Funds 0 Comm. C/O 0 Uncommitted C/O 55.000 Total FY01 Funding 1.815.500 New FY01 Funds 49.202 Comm. C/O 77.338 Uncommitted C/O
5.2.3.1.6 5.2.3.1	ILINI, PNNI. Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Projection Major Procurement Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs Cumulative Tosts Cumulative Monthly Projection Cumulative Monthly Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs + Liens Form Qualification and Repository Interaction LLNL WSRC, ANL, PNNI.	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00 9,231 0 9,231 6,660 6,660 0ct 00 176,208 0 49,202 225,410 1205,702 233,668	52,559 0 0 52,559 131,732 109,312 133,222 Nov 00 9,231 0 0 9,231 18,462 18,366 18,366 Nov 00	56,559 0 0 0 56,559 188,291 189,264 200,447 Dec 00 9,231 27,693 28,238 28,238 Dec 00 171,264 0 0 171,264 588,730 601,575 633,826	87,527 0 0 0 87,527 275,518 270,129 291,534 Jan 01 27,307 0 0 27,307 55,000 55,515 55,515 Jan 01 244,126 0 0 0 244,126 32,256 832,856 833,769 864,641	33,302 0 0 0 33,302 309,120 Feb 01 0 0 0 0 55,000 Feb 01 136,423 0 0 0 0 136,423 969,279	41,117 0 0 41,117 350,237 Mar 01 0 0 0 0 55,000 Mar 01 152,002 0 0 152,002 1,121,281	39,654 0 0 39,654 389,891 Apr 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	May 01 May 01 152,268 0,152,268 1,428,418	31,214 0 0 31,214 462,294 Jun 01 0 0 0 0 55,000 Jun 01 129,350 0 0 129,350 1,557,768	34,879 0 0 34,879 497,173 Jul 01 0 0 0 0 55,000 Jul 01 129,254 0 0 129,254 1,687,022	32,521 0 0 32,521 529,694 Aug 01 0 0 0 0 55,000 Aug 01 130,776 0 0 0 130,776 1,817,798	33,298 0 0 33,298 562,992 Sept 01 0 0 0 0 55,000 Sept 01 124,240 0 0 124,240 1,942,038	547,501 0 15,491 562,992 Totals 55,000 0 55,000 Totals 1,892,836 0 49,202 1,942,038	2% -6% Cum. Var1% -1% -1% -4%	15.491 Comm. C/O 44.001 Uncommitted C/O 562.992 Total FY01 Funding 55.000 New FY01 Funds 0 Comm. C/O 0 Uncommitted C/O 55.000 Total FY01 Funding 1.815.500 New FY01 Funds 49.202 Comm. C/O 77.336 Uncommitted C/O 1.942.038 Total FY01 Funding
5.2.3.1.6 5.2.3.1	ILINL, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumula	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00 9,231 9,231 6,660 Oct 00 176,208 0 49,202 225,410 190,570 233,668	52,559 0 0 52,559 131,732 109,312 133,222 Nov 00 9,231 18,462 18,366 18,366 Nov 00 192,056 0 0 192,056 417,466 357,421 401,498	56,559 0 0 0 56,559 188,291 189,264 200,447 Dec 00 9,231 27,693 28,236 28,236 Dec 00 171,264 588,730 601,575 633,826	87,527 0 0 7 0 87,527 275,518 270,129 291,534 Jan 01 27,307 0 0 27,307 55,000 55,515 Jan 01 244,126 0 0 244,126 832,856 833,769 864,641	33,302 0 0 33,302 309,120 Feb 01 0 0 55,000 Feb 01 136,423 0 0 136,423 969,279	41,117 0 0 41,117 350,237 Mar 01 0 0 0 0 55,000 Mar 01 152,002 0 0 152,002	39,654 0 0 39,654 389,891 Apr 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	May 01 152,268 1,428,418	31,214 0 0 31,214 462,294 Jun 01 0 0 0 0 55,000 Jun 01 129,350 0 0 129,350 1,557,768	34,879 0 0 34,879 497,173 Jul 01 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	32,521 0 0 1 32,521 529,694 Aug 01 0 0 55,000 Aug 01 130,776 0 0 130,776 1,817,798	33,298 0 0 33,298 562,992 Sept 01 0 0 0 0 55,000 Sept 01 124,240 0 0 0 124,240 1,942,038	547,501 0 15,491 562,992 Totals 55,000 0 55,000 Totals 1,892,836 0 49,202 1,942,038	2% -6% -6% - Cum. Var1% -1% -1% -1% -4% - Cum. Var0% -4% -4% - Cum.	15.491 Comm. C/O 44.001 Uncommitted C/O 562.992 Total FY01 Funding 55.000 New FY01 Funds 0 Comm. C/O 0 Uncommitted C/O 55.000 Total FY01 Funding 1.815.500 New FY01 Funds 49.202 Comm. C/O 77.338 Uncommitted C/O 1,942.038 Total FY01 Funding
5.2.3.1.6 5.2.3.1	ILINI, PNNL Manpower Projection PY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Monthly Projection Cumulative Monthly Projection Cumulative Costs + Liens	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00 9,231 9,231 9,231 6,660 Oct 00 176,208 0 49,202 225,410 190,570 233,668 Oct 00	52,559 0 0 52,559 131,732 109,312 133,222 Nov 00 9,231 18,462 18,366 18,366 Nov 00 192,056 0 0 192,056 417,466 357,421 401,498 Nov 00	56,559 0 0 0 56,559 188,291 189,264 200,447 Dec 00 9,231 27,693 28,236 28,236 Dec 00 171,264 588,730 601,575 633,826 45,483 0 0	87,527 0 0 7 0 87,527 275,518 270,129 291,534 Jan 01 27,307 0 0 0 27,307 55,000 55,515 55,515 44,126 0 0 244,126 832,255 833,769 864,641 Jan 01 62,981 0 0	33,302 0 0 3,3302 309,120 Feb 01 0 0 0 0 55,000 Feb 01 136,423 969,279 Feb 01	41,117 0 0 41,117 350,237 Mar 01 0 0 0 0 0 0 55,000 Mar 01 152,002 0 0 152,002 1,121,281 Mar 01 30,000 0 0 0 0	39,654 0 0 39,654 389,891 Apr 01 0 0 0 0 0 0 55,000 Apr 01 154,869 0 0 154,869 1,276,150 Apr 01	May 01 152,268 1,428,418 May 01 29,550 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	31,214 0 0 31,214 462,294 Jun 01 129,350 0 129,350 1,557,768 Jun 01 27,688 0 0	34,879 0 0 34,879 497,173 Jul 01 0 0 0 0 0 55,000 Jul 01 129,254 0 0 0 129,254 1,687,022 Jul 01	32,521 0 0 1 32,321 529,694 Aug 01 0 0 0 55,000 Aug 01 130,776 0 0 130,776 1,817,798	33,298 0 0 33,298 562,992 Sept 01 0 0 0 0 124,240 1,942,038 Sept 01 31,756 0 0 0	547,501 0 15,491 562,992 Totals 55,000 0 55,000 49,202 1,942,038 Totals	2% -6% -6% - Cum. Var1% -1% -1% -1% -4% - Cum. Var0% -4% -4% - Cum.	15.491 Comm. C/O 44.001 Uncommitted C/O 562.992 Total FY01 Funding 55.000 New FY01 Funds 0 Comm. C/O 0 Uncommitted C/O 55.000 Total FY01 Funding 1.815.500 New FY01 Funds 49.202 Comm. C/O 77.336 Uncommitted C/O 1,942.038 Total FY01 Funding
5.2.3.1.6 5.2.3.1	ILNI, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Total Monthly Projection Major Procurement Projection Major Procurement Projection Cumulative Monthly Projection Cumulative Costs Cumulative Testing and Dissolution Modeling Total ILNI, PNNL Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulat	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00 9,231	52,559 0 0 0 52,559 131,732 109,312 109,312 133,222 Nov 00 9,231 18,462 18,366 0 192,056 0 192,056 417,466 357,421 401,498 Nov 00 51,972 0 0 51,972	56,559 0 0 0 188,291 189,264 200,447 Dec 00 9,231 0 0 9,231 27,693 28,236 Dec 00 171,264 0 171,264 0 171,264 0 171,264 0 171,264 0 45,483 0 0 45,483	87,527 0 0 87,527 275,518 270,129 291,534 Jan 01 27,307 0 0 27,307 55,000 55,515 Jan 01 244,126 0 0 244,126 833,769 864,641 Jan 01	33,302 0 0 33,302 309,120 Feb 01 0 0 0 55,000 Feb 01 136,423 969,279	41,117 0 0 41,117 350,237 Mar 01 0 0 0 0 0 55,000 Mar 01 152,002 0 152,002 1,121,281 Mar 01 30,000 0 0 30,000	39,654 0 0 39,654 389,891 Apr 01 0 0 0 0 0 55,000 Apr 01 154,869 0 0 154,869 1,276,150 Apr 01 29,340 0 0 29,340	May 01 152,268 0 0 152,268 1,428,418 May 01	31,214 0 0 31,214 462,294 Jun 01 129,350 0 129,350 0 129,350 1,557,768 Jun 01 27,688 0 0 27,688	34,879 0 0 34,879 497,173 Jul 01 0 0 0 0 55,000 Jul 01 129,254 0 0 129,254 1,687,022 Jul 01 27,885 0 0 27,885	32,521 0 0 32,521 529,694 Aug 01 0 0 0 55,000 130,776 0 130,776 1,817,798 Aug 01	33,298 0 0 33,298 562,992 Sept 01 0 0 0 0 55,000 Sept 01 124,240 0 124,240 1,942,038 Sept 01	547,501 0 15,491 562,992 Totals 55,000 0 55,000 Totals 1,892,836 0 49,202 1,942,038	2% -6% -6% - Cum. Var1% -1% -1% -1% -4% - Cum. Var0% -4% -4% - Cum.	15.491 Comm. C/O 44.001 Uncommitted C/O 562.992 Total FY01 Funding 55.000 New FY01 Funds 0 Comm. C/O 0 Uncommitted C/O 55.000 Total FY01 Funding 1.815.500 New FY01 Funds 49.202 Comm. C/O 77.338 Uncommitted C/O 1,942.038 Total FY01 Funding
5.2.3.1.6 5.2.3.1	ILINI, PNNL Manpower Projection PY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Monthly Projection Cumulative Monthly Projection Cumulative Costs + Liens	63,682 0 15,491 79,173 79,173 63,485 78,097 Oct 00 9,231 9,231 9,231 6,660 Oct 00 176,208 0 49,202 225,410 190,570 233,668 Oct 00	52,559 0 0 52,559 131,732 109,312 133,222 Nov 00 9,231 18,462 18,366 18,366 Nov 00 192,056 0 0 192,056 417,466 357,421 401,498 Nov 00	56,559 0 0 0 56,559 188,291 189,264 200,447 Dec 00 9,231 27,693 28,236 28,236 Dec 00 171,264 588,730 601,575 633,826 45,483 0 0	87,527 0 0 7 0 87,527 275,518 270,129 291,534 Jan 01 27,307 0 0 0 27,307 55,000 55,515 55,515 44,126 0 0 244,126 832,255 833,769 864,641 Jan 01 62,981 0 0	33,302 0 0 3,3302 309,120 Feb 01 0 0 0 0 55,000 Feb 01 136,423 969,279 Feb 01	41,117 0 0 41,117 350,237 Mar 01 0 0 0 0 0 0 55,000 Mar 01 152,002 0 0 152,002 1,121,281 Mar 01 30,000 0 0 0 0	39,654 0 0 39,654 389,891 Apr 01 0 0 0 0 0 0 55,000 Apr 01 154,869 0 0 154,869 1,276,150 Apr 01	May 01 152,268 1,428,418 May 01 29,550 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	31,214 0 0 31,214 462,294 Jun 01 129,350 0 129,350 1,557,768 Jun 01 27,688 0 0	34,879 0 0 34,879 497,173 Jul 01 0 0 0 0 0 55,000 Jul 01 129,254 0 0 0 129,254 1,687,022 Jul 01	32,521 0 0 1 32,321 529,694 Aug 01 0 0 0 55,000 Aug 01 130,776 0 0 130,776 1,817,798	33,298 0 0 33,298 562,992 Sept 01 0 0 0 0 124,240 1,942,038 Sept 01 31,756 0 0 0	547,501 0 15,491 562,992 Totals 55,000 0 55,000 49,202 1,942,038 Totals	2% -6% -6% - Cum. Var1% -1% -1% -1% -4% - Cum. Var0% -4% -4% - Cum.	15.491 Comm. C/O 44.001 Uncommitted C/O 562.992 Total FY01 Funding 55.000 New FY01 Funds 0 Comm. C/O 0 Uncommitted C/O 55.000 Total FY01 Funding 1.815.500 New FY01 Funds 49.202 Comm. C/O 77.336 Uncommitted C/O 1,942.038 Total FY01 Funding

.2.3	D&T Form Qualification Total Lead - Henry Shaw	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	228,493	244,028	216,747	307,107	160,332	182,002	184,209	181,818	157,038	157,139	161,426	155,996	2,336,336		2,259,000 New FY01 Funds
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		49,242 Comm. C/O
	FY00 Liens	49,242	0	0	0	0	0	0	0	0	0	0	0	49,242		77,336 Uncommitted C.
	Total Monthly Projection	277,735	244,028	216,747	307,107	160,332	182,002	184,209	181,818	157,038	157,139	161,426	155,996	2,385,578		2,385,578 Total FY01 Fund
	Cumulative Monthly Projection	277,735	521,764	738,511	1,045,618	1,205,950	1,387,952	1,572,161	1,753,979	1,911,017	2,068,156	2,229,582	2,385,578			
	Cumulative Costs	268,434	493,918	778,597	1,033,879										1%	
	Cumulative Costs + Liens	311,572	538,035	810,888	1,064,791										-2%	
.3.1	D&T Technology Transfer Lead - Kent Sullivan	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	0	0	5,000	-2,000	0	0	0	0	0	0	0	0	3,000		3,000 New FY01 Fund
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Comm. C/O
	FY00 Liens	0	0	0	0	0	0	0	0	0	0	0	0	0		Uncommitted C
	Total Monthly Projection	0	0	5,000	-2,000	0	0	0	0	0	0	0	0	3,000		3,000 Total FY01 Fund
	Cumulative Monthly Projection	0	0	5,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000			
	Cumulative Costs	0	613	2,841	3,170										-6%	
	Cumulative Costs + Liens	0	613	2,841	3,170										-6%	
	All Labs Immobilization and Associated Processing Total Lead - Tom Gould	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	2,398,596	2,873,020	2,363,635	1,681,266	1,894,516	1,956,890	1,436,829	1,339,506	1,427,157	1,412,061	1,527,535	1,515,059	21,826,071		20,898,600 New FY01 Fund
	Major Procurement Projection	30,000	30,000	30,000	1,679,600	5,000	5,000	5,000	4,000	4,000	224,000	74,000	129,000	2,219,600		2,265,817 Comm. C/O
	FY00 Liens	2,265,817	0	0	0	0	0	0	0	0	0	0	0	2,265,817		3,147,072 Uncommitted C Total FY01 All I
	Total Monthly Projection	4,694,413	2,903,020	2,393,635	3,360,866	1,899,516	1,961,890	1,441,829	1,343,506	1,431,157	1,636,061	1,601,535	1,644,059	26,311,488		26,311,489 Funding
			W KOW 101	9.991.069	13.351.935	15.251.451	17.213.341	18.655,170	19.998.676	21.429.833	23.065.894	24,667,429	26.311.488			
	Cumulative Monthly Projection	4,694,413	7,597,434													
	Cumulative Monthly Projection Cumulative Costs	4,694,413 2,176,100	7,597,434 4,830,555 7,452,001	7,314,553 9,770,273	9,659,224 13.332.181	13,231,431	17,510,011	,,	,,	,,			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		28% 0%	

LLNL - Immobilization



5.1.2	DOCDR Total Lead - Al DiSabatino	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection	15,000	15,000	38,000	0									68,000	vai.	68,000 New FY01 Funds
	Major Procurement Projection	13,000	13,000	30,000	U									00,000		271.970 Comm. C/O
	FY00 Liens	271,970												271.970	1 1	Uncommitted C/O
	Total Monthly Projection	286,970	15.000	38.000	0	0	0	0	0	0	0	0	0	339.970		339.970 Total FY01 Funding
	Cumulative Monthly Projection	286,970	301,970	339,970	339.970	339.970	339.970	339,970	339,970	339.970	339.970	339,970	339,970	000,010		300,070
	Cumulative Costs	109,515	150,110	240,181	290,648	000,010	000,010	000,010	000,010	000,010	000,070	000,010	000,010		15%	
	Cumulative Costs + Liens	285,711	246,732	339,997	345,924										-2%	
				555,555	0.00,00.0											
2.1.1	Technical Project Office	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01					. 104			Totals		
5.1.1	3	Oct 00	Nov ou	Dec 00	Jan 01	red UI	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	1 otais	Cum.	
	Tom Gould	F0 000	207 200	00.000	00.000	405.000	400.000	405.000	407.000	400.000	405.000	407.000	404.000	4 200 000	Var.	1.366,000 New FY01 Funds
	Manpower Projection	53,000	267,000	90,000	60,000	105,000	120,000	105,000	105,000	120,000	105,000	105,000	131,000	1,366,000	1 1	1,366,000 New FY01 Funds 116.572 Comm. C/O
	Major Procurement Projection FY00 Liens	116.572												116.572		Uncommitted C/O
	Total Monthly Projection	116,572 169,572	267,000	90.000	60.000	105.000	120,000	105.000	105.000	120.000	105,000	105.000	131.000	1.482.572		1,482,572 Total FY01 Funding
					,									1,482,372		1,482,572 Total F101 Fullding
	Cumulative Monthly Projection	169,572	436,572	526,572	586,572	691,572	811,572	916,572	1,021,572	1,141,572	1,246,572	1,351,572	1,482,572		400/	
	Cumulative Costs	52,488	135,824	212,696	335,398										43%	
	Cumulative Costs + Liens	169,060	407,078	483,986	566,019										4%	
2.1.2	Quality Assurance Tehmau Kan	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection	472,000	3.000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	2,000	2,000	503,000	var.	503.000 New FY01 Funds
	Major Procurement Projection	472,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	2,000	2,000	303,000		63,285 Comm. C/O
	FY00 Liens	63,285												63,285	1 1	Uncommitted C/O
	Total Monthly Projection	535,285	3,000	3,000	3.000	3,000	3,000	3.000	3,000	3.000	3,000	2,000	2,000	566,285		566.285 Total FY01 Funding
	Cumulative Monthly Projection	535,285	538.285	541.285	544.285	547.285	550,285	553,285	556.285	559,285	562,285	564.285	566,285	300,263	<u> </u>	300,283 10001101101000
	Cumulative Costs	76,770	116.979	147.050	182,732	347,263	330,263	333,263	330,283	339,263	302,263	304,263	300,283		66%	
	Cumulative Costs Cumulative Costs + Liens	534,844	538,000	537,335	539,994										1%	
	Cultulative Costs + Liens	334,044	338,000	337,333	335,554										1 /0	
2.1.3	Document Control	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
	Al DiSabatino														Var.	
	Manpower Projection	380	20,000	0	0	9,000	8,000	8,000	8,000	8,000	8,000	8,000	17,620	95,000		220,000 New FY01 Funds
	Major Procurement Projection												125,000	125,000	d I	164,100 Comm. C/O
	FY00 Liens	164,100												164,100	4 1	Uncommitted C/O
	Total Monthly Projection	164,480	20,000	0	0	9,000	8,000	8,000	8,000	8,000	8,000	8,000	142,620	384,100	4 1	384,100 Total FY01 Funding
	Cumulative Monthly Projection	164,480	184,480	184,480	184,480	193,480	201,480	209,480	217,480	225,480	233,480	241,480	384,100			
	Cumulative Costs	380	22,119	19,727	33,132										82%	
	Cumulative Costs + Liens	164,405	166,876	167,081	168,069										9%	
	Plutonium Facility Infrastructure and															
2.1.4	Support	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
	Tehmau Kan		F10.000	050 000	07.004	222.222	202 202	222.222	222.222	222 222	202.202	222 222	202 222	2 222 222	Var.	2.630.000 New FY01 Funds
	Manpower Projection	0	516,666	258,333	67,894	223,390	223,390	223,390	223,390	223,390	223,390	223,390	223,377	2,630,000	1 1	2,630,000 New FY01 Funds 0 Comm. C/O
	Major Procurement Projection FY00 Liens													U		Uncommitted C/O
		0	516,666	258,333	67,894	223,390	223,390	223,390	223,390	223,390	223,390	223,390	223,377	2,630,000		2.630.000 Total FY01 Funding
	Total Monthly Projection Cumulative Monthly Projection	0	516,666	258,333 774,999	67,894 842,893	1.066.283	1.289.673	1.513.063	1.736.453	1.959.843	2.183,233	223,390	2.630.000	z,630,000	-	2,030,000 Total 1101 Fullding
	Cumulative Monthly Projection Cumulative Costs	0	516,666	774,999 498,851	842,893 842,893	1,000,283	1,289,073	1,513,063	1,730,453	1,959,843	2,183,233	2,400,023	2,030,000		0%	
		0	527,625	498,851	842,893 842,893										0% 0%	
		U	327,023	490,001	042,093										U%	
	Cumulative Costs + Liens				Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
2.1	D&T Program Management Total	Oct 00	Nov 00	Dec 00	Jan 01										Var.	
2.1	D&T Program Management Total Lead - Tehmau Kan					940.005	051005	000 000	000.007	051005	000 000	000 000	000 000	4 504 6		4 710 000 N PVO1 P 1
.2.1	D&T Program Management Total Lead - Tehmau Kan Manpower Projection	525,380	806,666	351,333	130,894	340,390	354,390	339,390	339,390	354,390	339,390	338,390	373,997	4,594,000		4,719,000 New FY01 Funds
.2.1	D&T Program Management Total Lead - Tehmau Kan Manpower Projection Major Procurement Projection	525,380 0	806,666 0	351,333 0	130,894 0	0	0	0	0	0	0	0	373,997 125,000	125,000		343,957 Comm. C/O
.2.1	D&T Program Management Total Lead - Tehmau Kan Manpower Projection Major Procurement Projection FY00 Liens	525,380 0 343,957	806,666 0 0	351,333 0 0	130,894 0 0	0 0	0	0 0	0	0 0	0	0	125,000 0	125,000 343,957		343,957 Comm. C/O 0 Uncommitted C/O
.2.1	D&T Program Management Total Lead - Tehmau Kan Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	525,380 0 343,957 869,337	806,666 0 0 806,666	351,333 0 0 351,333	130,894 0 0 130,894	0 0 340,390	0 0 354,390	0 0 339,390	0 0 339,390	0 0 354,390	0 0 339,390	0 0 338,390	125,000 0 498,997	125,000		343,957 Comm. C/O
2.1	D&T Program Management Total Lead - Tehmau Kan Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection	525,380 0 343,957 869,337 869,337	806,666 0 0 806,666 1,676,003	351,333 0 0 351,333 2,027,336	130,894 0 0 130,894 2,158,230	0 0	0	0 0	0	0 0	0	0	125,000 0	125,000 343,957		343,957 Comm. C/O 0 Uncommitted C/O
2.1	D&T Program Management Total Lead - Tehmau Kan Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	525,380 0 343,957 869,337	806,666 0 0 806,666	351,333 0 0 351,333	130,894 0 0 130,894	0 0 340,390	0 0 354,390	0 0 339,390	0 0 339,390	0 0 354,390	0 0 339,390	0 0 338,390	125,000 0 498,997	125,000 343,957		343,957 Comm. C/O 0 Uncommitted C/O

5.2.2.1.2	Blending Al Disabatino Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens Proliferation Resistance Al Disabatino Manpower Projection Major Procurement Projection FY00 Liens	31,120 1,045 32,165 32,165 31,120 32,165 Oct 00	22,000 22,000 54,165 69,546 70,591	21,880 21,880 21,880 76,045 74,776 75,821	25,000 25,000 25,000 101,045 100,851	25,000 25,000 126,045	Mar 01 20,000 20,000	Apr 01 20,000	May 01	Jun 01 20,000	Jul 01 20,000	Aug 01 19,500	Sep 01	Totals 249,000	Cum. Var.	49,000 New FY01 Funds
5.2.2.1.2	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs + Liens Proliferation Resistance Al DiSabatino Manpower Projection Major Procurement Projection	1,045 32,165 32,165 31,120 32,165	22,000 54,165 69,546	21,880 76,045 74,776	25,000 101,045 100,851	25,000		20,000	10,000	20,000	20,000	19,500	14,500	249,000	vai.	49,000 New FY01 Funds
5.2.2.1.2	Major Procurement Projection Fy00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs + Liens Proliferation Resistance Al DiSabatino Manpower Projection Mapor Procurement Projection	1,045 32,165 32,165 31,120 32,165	22,000 54,165 69,546	21,880 76,045 74,776	25,000 101,045 100,851	25,000		20,000	10,000	20,000	20,000	15,500	14,500	220,000		
5.2.2.1.2	FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens Proliferation Resistance Al Disabatino Manpower Projection Major Procurement Projection	32,165 32,165 31,120 32,165	54,165 69,546	76,045 74,776	101,045 100,851		20.000									1.045 Comm. C/O
5.2.2.1.2	Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens Proliferation Resistance Al Disabatino Manpower Projection Major Procurement Projection	32,165 31,120 32,165	54,165 69,546	76,045 74,776	101,045 100,851		20 000							1,045		200,000 Uncommitted C/O
5.2.2.1.2	Cumulative Costs + Liens Proliferation Resistance Al Disabatino Manpower Projection Major Procurement Projection	31,120 32,165	69,546	74,776	100,851	126,045		20,000	10,000	20,000	20,000	19,500	14,500	250,045		250,045 Total FY01 Funding
5.2.2.1.2	Cumulative Costs + Liens Proliferation Resistance Al DiSabatino Manpower Projection Major Procurement Projection	32,165					146,045	166,045	176,045	196,045	216,045	235,545	250,045			
5.2.2.1.2	Proliferation Resistance Al DiSabatino Manpower Projection Major Procurement Projection		70,591	75,821											0%	
1	Al DiSabatino Manpower Projection Major Procurement Projection	Oct 00			101,896										-1%	
]] [Manpower Projection Major Procurement Projection		Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
]] 	Major Procurement Projection					0	0	0		40.000	40.000	F 000	F 000	20.000	Var.	0 New FY01 Funds
1				0	0	U	U	U	0	10,000	10,000	5,000 70,000	5,000	30,000 70,000		0 Comm. C/O
<u>-</u>					U							70,000		70,000		100,000 Uncommitted C/O
	Total Monthly Projection	0	0	0	0	0	0	0	0	10.000	10.000	75,000	5.000	100.000		100,000 Total FY01 Funding
	Cumulative Monthly Projection	0	0	0	0	0	0	0	0	10,000	20,000	95,000	100,000	,		,
<u>.</u>	Cumulative Costs	Ō	0	Ō	ō	_	_	_	_	,	,	,	,		#DIV/0!	
	Cumulative Costs + Liens	0	0	0	0										#DIV/0!	
,	System Integration and Cross-cutting															
5.2.2.1.3	Functions	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
	Al DiSabatino														Var.	
7	Manpower Projection	31,891	17,500	20,000	8,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	14,609	197,000		197,000 New FY01 Funds
	Major Procurement Projection													0		2,861 Comm. C/O
	FY00 Liens	2,861												2,861		Uncommitted C/O
	Total Monthly Projection	34,752	17,500	20,000	8,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	14,609	199,861		199,861 Total FY01 Funding
	Cumulative Monthly Projection	34,752	52,252	72,252	80,252	95,252	110,252	125,252	140,252	155,252	170,252	185,252	199,861			
	Cumulative Costs	31,891	49,286	69,730	76,579										5%	
Ľ	Cumulative Costs + Liens	34,752	52,147	73,411	80,259										0%	
	Material Transport	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
	Al DiSabatino														Var.	
	Manpower Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		 New FY01 Funds Comm. C/O
	Major Procurement Projection FY00 Liens													0		Uncommitted C/O
	Total Monthly Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		n Total FY01 Funding
	Cumulative Monthly Projection	0	0	0	0							0	0	U		0
	Cumulative Costs	0	0	0	0	U	Ü	U	U	U	U	U	ď		#DIV/0!	
	Cumulative Costs + Liens	0	0	0	0										#DIV/0!	
_																
	Technical Support & Integration Total	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
	Lead - Al DiSabatino											8			Var.	
	Manpower Projection	63,011	39,500	41,880	33,000	40,000	35,000	35,000	25,000	45,000	45,000	39,500	34,109	476,000	var.	246,000 New FY01 Funds
	Major Procurement Projection	00,011	00,000	0	00,000	0,000	0	0	0	0	0	70,000	0 1,100	70,000		3.906 Comm. C/O
	FY00 Liens	3,906	0	0	0	0	0	0	0	0	0	0	0	3,906		300,000 Uncommitted C/O
-	Total Monthly Projection	66,917	39,500	41,880	33,000	40,000	35,000	35,000	25,000	45,000	45,000	109,500	34,109	549,906		549,906 Total FY01 Funding
	Cumulative Monthly Projection	66,917	106,417	148,297	181,297	221,297	256,297	291,297	316,297	361,297	406,297	515,797	549,906			
1	Cumulative Costs	63,011	118,832	144,506	177,430										2%	
L	Cumulative Costs + Liens	66,917	122,738	149,231	182,156										0%	
	Processt Control Model															
	Development	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
	Bart Ebbinghaus	300	-101 00	30000				p- v-					P		Var.	
	Manpower Projection	79,000	48,000	36,000	34,000	28,000	17,000							242,000	vai.	137,000 New FY01 Funds
	Major Procurement Projection	75,000	40,000	30,000	34,000	20,000	17,000							0 12,000		89.708 Comm. C/O
	FY00 Liens	89,708												89,708		105,000 Uncommitted C/C
	Total Monthly Projection	168,708	48,000	36,000	34,000	28,000	17,000	0	0	0	0	0	0	331,708		331,708 Total FY01 Funding
I,	Cumulative Monthly Projection	168,708	216,708	252,708	286,708	314,708	331,708	331,708	331,708	331,708	331,708	331,708	331,708	,.00		
				232,708	400,708	314,708	331,700						331,700			
-	Cumulative Costs	78,539	130,174	252,708	257,477	314,708	331,700	551,700	551,755	551,755	331,700	331,706	331,700		10%	

5.2.2.2	Immobilized Form Development Total	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
	Lead - Guy Armantrout														Var.	
	Manpower Projection	79,000	48,000	36,000	34,000	28,000	17,000	0	0	0	0	0	0	242,000		137,000 New FY01 Funds
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		89,708 Comm. C/O 105,000 Uncommitted C/O
	FY00 Liens Total Monthly Projection	89,708 168,708	48,000	0 36,000	0 34,000	28,000	17,000	0	0	0	0	0	0	89,708 331,708		331,708 Total FY01 Funding
	Cumulative Monthly Projection	168,708	216,708	252,708	286,708	314,708	331,708	331,708	331,708	331,708	331,708	331,708	331,708	552,755		551,755
	Cumulative Costs	78,539	130,174	221,062	257,477										10%	
	Cumulative Costs + Liens	168,246	219,881	270,770	307,185										-7%	
5.2.2.3.3	Material Size Reduction Mark Bronson	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
	Manpower Projection	0	0	0	0	0	0	0	0	0	0	0	0	0	Var.	0 New FY01 Funds
	Major Procurement Projection	0	•	-	-	_	-	-	_	-	-	_	_	0		0 Comm. C/O
	FY00 Liens	0	_	_	_	_					_	_		0		Uncommitted C/O 0 Total FY01 Funding
	Total Monthly Projection Cumulative Monthly Projection	0	0	0	0	0	0	0	0	0	0	0	0	U		U Total F101 Fulldling
	Cumulative Costs	-2,270	-2,270	-2,270	-2,270	· ·	·	•	Ů	Ů	· ·	· ·	ŭ		#DIV/0!	
	Cumulative Costs + Liens	-2,270	-2,270	-2,270	-2,270										#DIV/0!	
5.2.2.3.4	Material Unpacking and Sorting	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
3.2.2.3.4	Mark Bronson	Ottoo	1404 00	Dec 00	Jan VI	reb oi	IVIAI UI	Aproi	May 01	Juli 01	Jui Vi	Augui	Sep 01	Totals	Var.	
	Manpower Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 New FY01 Funds
	Major Procurement Projection													0		0 Comm. C/O
	FY00 Liens Total Monthly Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		Uncommitted C/O O Total FY01 Funding
	Cumulative Monthly Projection	0	0	0	0	0	0	0	0	0	0	0	0			0
	Cumulative Costs	243	243	243	229								_		#DIV/0!	
	Cumulative Costs + Liens	243	243	243	229										#DIV/0!	
5.2.2.3.6	Metal Conversion	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
OIMIMIOIO	Mark Bronson	000	1101 00	200	5411 01	10001	01		.vany 02	Juli 01	541.51	rang or	Scp 01	Totals	Var.	
	Manpower Projection	160,000	230,000	150,000	810,199	250,000	250,000	71,801	0	0	0	0	0	1,922,000		1,572,000 New FY01 Funds
	Major Procurement Projection FY00 Liens	18,204												0 18,204		18,204 Comm. C/O 350,000 Uncommitted C/O
	Total Monthly Projection	18,204	230,000	150,000	810,199	250,000	250,000	71,801	0	0	0	0	0	18,204 1,940,204		1,940,204 Total FY01 Funding
	Cumulative Monthly Projection	178,204	408,204	558,204	1,368,403	1,618,403	1,868,403	1,940,204	1,940,204	1,940,204	1,940,204	1,940,204	1,940,204	2,0 20,00 2		2,0 22,20 2
	Cumulative Costs	137,187	461,164	800,732	1,059,837										23%	
	Cumulative Costs + Liens	168,972	491,739	1,109,298	1,368,403										0%	
5.2.2.3.7	Impure Oxide Feed Preparation	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
	Mark Bronson														Var.	
	Manpower Projection	25,000	35,000	35,000	25,000	10,000	0	0	0	0	0	0	0	130,000		56,000 New FY01 Funds 0 Comm. C/O
	Major Procurement Projection FY00 Liens													0		74.000 Uncommitted C/O
	Total Monthly Projection	25,000	35,000	35,000	25,000	10,000	0	0	0	0	0	0	0	130,000		130,000 Total FY01 Funding
	Cumulative Monthly Projection	25,000	60,000	95,000	120,000	130,000	130,000	130,000	130,000	130,000	130,000	130,000	130,000			
	Cumulative Costs Cumulative Costs + Liens	24,078 24,078	49,606 49,606	100,545 100,545	121,981 121.981										-2% -2%	
	Cullidiative Costs + Liens	24,078	49,000	100,343	121,961										-270	
5.2.2.3.8	Materials Characterization	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
	Mark Bronson														Var.	N. Wat P. J.
	Manpower Projection Major Procurement Projection	37,000	50,000	50,000	27,461	0	0	0	0	0	0	0	0	164,461		0 New FY01 Funds 20,905 Comm. C/O
	FY00 Liens	20,905												20,905		164,461 Uncommitted C/O
	Total Monthly Projection	57,905	50,000	50,000	27,461	0	0	0	0	0	0	0	0	185,366		185,366 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs	57,905 37,230	107,905 102,852	157,905 184,156	185,366 222,367	185,366	185,366	185,366	185,366	185,366	185,366	185,366	185,366		-20%	
	Cumulative Costs Cumulative Costs + Liens	58,735	102,852	184,890	222,567										-20%	
		55,155	,	,	,											
5.2.2.3	Plutonium Conversion Process/	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals		
3.2.2.3	Equipment Development Total Lead - Mark Bronson	000	NOV 00	Dec 00	Jan UI	reb 01	Mar 01	Aproi	May 01	Juli 01	Jui VI	Augui	Sep 01	Totals	Cum. Var.	
	Manpower Projection	222,000	315,000	235,000	862,660	260,000	250,000	71,801	0	0	0	0	0	2,216,461	vai.	1,628,000 New FY01 Funds
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		39,109 Comm. C/O
	FY00 Liens Total Monthly Projection	39,109 261,109	0 315,000	0 235,000	0 862,660	0 260,000	0 250,000	71,801	0	0	0	0	0	39,109 2,255,570		588,461 Uncommitted C/O 2,255,570 Total FY01 Funding
	Cumulative Monthly Projection	261,109	576,109	811,109	1,673,769	1,933,769	2,183,769	2,255,570	2,255,570	2,255,570	2,255,570	2,255,570	2,255,570	۵,233,370		2,233,310
	Cumulative Costs	196,469	611,595	1,083,406	1,402,143	2,022,030	_,,	_,,	-,,-10	_,,_,	_,,_,	_,,	2,222,210		16%	
	Cumulative Costs + Liens	249,758	663,075	1,392,707	1,710,910										-2%	

2.2.4.2.1	Ceramification Process Development Guy Armantrout	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection	3,500	3,500	3,500	125,000	25,000 5,000	50,000 5,000	50,000 5,000	41,500 4,000	25,000 4,000	25,000 4,000	25,000 4,000	25,000 4,000	402,000 35,000		437,000 New FY01 Funds 60,073 Comm. C/O
	FY00 Liens	60,073												60,073		Uncommitted C
	Total Monthly Projection Cumulative Monthly Projection	63,573 63,573	3,500 67,073	3,500 70,573	125,000 195,573	30,000 225,573	55,000 280,573	55,000 335,573	45,500 381,073	29,000 410,073	29,000 439,073	29,000 468,073	29,000 497,073	497,073		497,073 Total FY01 Fund
	Cumulative Costs	3,418	12,292	106,838	196,526	223,373	200,373	333,373	361,073	410,073	439,073	406,073	497,073		0%	
	Cumulative Costs + Liens	63,492	72,365	106,911	196,600										-1%	
	Plutonium Ceramic Test Facility (PuCTF) Guy Armantrout	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection	580,000	600,000	550.000	200,000	500,000	400,000	200,000	164,000	200,000	200.000	200,000	199,999	3,993,999	Val.	3.776.000 New FY01 Fund
	Major Procurement Projection	30,000	30,000	30,000	20,000	0	0	0	0				,	110,000		140,677 Comm. C/O
	FY00 Liens	140,678												140,678		328,000 Uncommitted C
	Total Monthly Projection Cumulative Monthly Projection	750,678 750,678	630,000 1,380,678	580,000 1,960,678	220,000 2,180,678	500,000 2.680.678	400,000 3,080,678	200,000 3,280,678	164,000 3,444,678	200,000 3,644,678	200,000 3,844,678	200,000 4,044,678	199,999 4,244,677	4,244,677		4,244,677 Total FY01 Fun
	Cumulative Costs	580,540	1,125,428	1,757,302	2,180,678	2,000,070	3,000,076	3,200,076	3,444,076	3,044,078	3,644,076	4,044,076	4,244,077		5%	
	Cumulative Costs + Liens	751,477	1,335,075	1,849,775	2,165,474										1%	
	Puck NDE/MC&A for Process Control and SNM Accountability	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
	Guy Armantrout							•							Var.	
	Manpower Projection Major Procurement Projection	0	0	0	3,500	6,000	6,000	6,000	6,000	6,000	6,000	5,500	5,000	50,000 0		0 New FY01 Fund 0 Comm. C/O
	FY00 Liens			0	0.500		0.000	0.000		0.000	0.000	F 500	5.000	0		50,000 Uncommitted C 50,000 Total FY01 Fund
	Total Monthly Projection Cumulative Monthly Projection	0	0	0	3,500 3,500	6,000 9,500	6,000 15,500	6,000 21,500	6,000 27,500	6,000 33,500	6,000 39,500	5,500 45,000	5,000 50,000	50,000		50,000 Total F101 Full
	Cumulative Monthly Projection Cumulative Costs	-13	2,355	3,520	3,523	9,500	13,300	21,300	27,500	33,300	39,300	45,000	50,000		-1%	
	Cumulative Costs + Liens	-13	2,355	3,520	3,523										-1%	
	Recycle of Unacceptable Materials Guy Armantrout	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Guy Armantrout Manpower Projection Major Procurement Projection	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals 0 0		0 New FY01 Fund 0 Comm. C/O Uncommitted C
	Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	Oct 00	Nov 00 0	Dec 00 0	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals 0 0 0 0		0 Comm. C/O Uncommitted C
	Guy Armantrout Manpower Projection Major Procurement Projection Fy00 Liens Total Monthly Projection Cumulative Monthly Projection	0	0	0	0	0 0	0 0	Apr 01 0 0	0 0	0 0	Jul 01 0 0		0 0	Totals 0 0 0 0 0	Var.	0 Comm. C/O Uncommitted C
	Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs	0 0 32	0 0 65	0 0 65	0 0 61	0 0	0 0	Apr 01 0 0	0 0	0 0	0 0	0	0 0	Totals 0 0 0 0	#DIV/0!	0 Comm. C/O Uncommitted C
	Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens	0	0	0	0	0 0	0 0	0 0	0 0	0 0	0 0	0	0 0	Totals 0 0 0 0	Var.	0 Comm. C/O Uncommitted O
.2.4	Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens First Stage Immobilization Process/Equip Development Total	0 0 32	0 0 65	0 0 65	0 0 61	0 0 0	0 0 Mar 01	0 0 Apr 01	0 0 May 01	0 0 0 Jun 01	0 0 0	0	0 0 Sep 01	Totals 0 0 0 0 0 Totals	#DIV/0! #DIV/0!	0 Comm. C/O Uncommitted C
2.4	Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens First Stage Immobilization Process/Equip Development Total Lead - Guy Armantrout	0 0 32 32 32	0 0 65 65	0 0 65 65	0 0 61 61	0 0	0 0 0	0 0 0	0 0 0 May 01	0 0 Jun 01	0 0 0	0 0	0 0 Sep 01	0 0 0 0 Totals	#DIV/0! #DIV/0!	0 Comm. C/O Uncommitted C 0 Total FY01 Fun
.2.4	Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Liens First Stage Immobilization Process/Equip Development Total Lead - Guy Armantrout Manpower Projection Major Procurement Projection	0 0 32 32	0 0 65 65	0 0 65 65	0 0 61 61	0	0	0	0	0	0	0 0	0	0 0 0 0 Totals	#DIV/0! #DIV/0!	0 Comm. C/O Uncommitted G 0 Total FY01 Fun 4,213,000 New FY01 Fun 200,750 Comm. C/O
.2.4	Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens First Stage Immobilization Process/Equip Development Total Lead - Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens	0 0 32 32 32 Oct 00 583,500 30,000 200,751	0 0 65 65 65 Nov 00	0 0 65 65 65 Dec 00 553,500 30,000 0	0 61 61 61 Jan 01	0 0 Feb 01 531,000 5,000 0	0 0 Mar 01 456,000 5,000 0	0 0 Apr 01 256,000 5,000 0	0 0 May 01 211,500 4,000	0 0 Jun 01 231,000 4,000 0	0 0 Jul 01 231,000 4,000 0	0 0 Aug 01 230,500 4,000	0 0 Sep 01 229,999 4,000 0	0 0 0 0 0 Totals 4,445,999 145,000 200,751	#DIV/0! #DIV/0!	0 Comm. C/O Uncommitted (0 Total FY01 Fun 4,213,000 New FY01 Fun 200,750 Comm. C/O 378,000 Uncommitted (
2.2.4	Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens First Stage Immobilization Process/Equip Development Total Lead - Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	0 0 32 32 32 Oct 00 583,500 30,000 200,751 814,251	0 0 65 65 85 Nov 00	0 0 65 65 65 Dec 00 553,500 30,000 0 583,500	0 0 61 61 328,500 20,000 348,500	0 0 Feb 01 531,000 5,000 0 0 536,000	0 0 Mar 01 456,000 5,000 0 461,000	0 0 0 Apr 01 256,000 5,000 0 261,000	0 0 May 01 211,500 4,000 0 215,500	0 0 0 Jun 01 231,000 4,000 0 0 235,000	0 0 Jul 01 231,000 4,000 0 235,000	0 0 0 Aug 01 230,500 4,000 0 234,500	0 0 0 229,999 4,000 0 233,999	0 0 0 0 Totals	#DIV/0! #DIV/0!	0 Comm. C/O Uncommitted (0 Total FY01 Fun 4,213,000 New FY01 Fun 200,750 Comm. C/O 378,000 Uncommitted (
2.2.4	Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens First Stage Immobilization Process/Equip Development Total Lead - Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection	0 0 32 32 32 0ct 00 583,500 30,000 200,751 814,251	0 0 65 65 65 Nov 00 603,500 30,000 0 633,500	0 65 65 65 Dec 00 553,500 30,000 0 583,500 2,031,251	0 61 61 61 Jan 01 328,500 20,000 0 348,500 2,379,751	0 0 Feb 01 531,000 5,000 0	0 0 Mar 01 456,000 5,000 0	0 0 Apr 01 256,000 5,000 0	0 0 May 01 211,500 4,000	0 0 Jun 01 231,000 4,000 0	0 0 Jul 01 231,000 4,000 0	0 0 Aug 01 230,500 4,000	0 0 Sep 01 229,999 4,000 0	0 0 0 0 0 Totals 4,445,999 145,000 200,751	#DIV/0! #DIV/0! Cum. Var.	0 Comm. C/O Uncommitted C 0 Total FY01 Fun 4,213,000 New FY01 Fun 200,750 Comm. C/O 378,000 Uncommitted C
2.2.4	Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens First Stage Immobilization Process/Equip Development Total Lead - Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	0 0 32 32 32 Oct 00 583,500 30,000 200,751 814,251	0 0 65 65 85 Nov 00	0 0 65 65 65 Dec 00 553,500 30,000 0 583,500	0 0 61 61 328,500 20,000 348,500	0 0 Feb 01 531,000 5,000 0 0 536,000	0 0 Mar 01 456,000 5,000 0 461,000	0 0 0 Apr 01 256,000 5,000 0 261,000	0 0 May 01 211,500 4,000 0 215,500	0 0 0 Jun 01 231,000 4,000 0 0 235,000	0 0 Jul 01 231,000 4,000 0 235,000	0 0 0 Aug 01 230,500 4,000 0 234,500	0 0 0 229,999 4,000 0 233,999	0 0 0 0 0 Totals 4,445,999 145,000 200,751	#DIV/0! #DIV/0!	0 Comm.C/O Uncommitted C 0 Total FY01 Fund 4,213,000 New FY01 Fund 200,750 Comm.C/O 378,000 Uncommitted C
.2.4	Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens First Stage Immobilization Process/Equip Development Total Lead - Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Monthly Projection Cumulative Monthly Projection Cumulative Costs	0 0 32 32 32 Oct 00 583,500 30,000 200,751 814,251 814,251 83,977	0 0 65 65 65 Nov 00 603,500 30,000 0 633,500 1,447,751 1,140,140	0 0 65 65 65 Dec 00 553,500 30,000 0 583,500 2,031,251 1,867,724	0 61 61 328,500 20,000 348,500 2,379,751 2,273,269	0 0 Feb 01 531,000 5,000 0 0 536,000	0 0 Mar 01 456,000 5,000 0 461,000	0 0 0 Apr 01 256,000 5,000 0 261,000	0 0 May 01 211,500 4,000 0 215,500	0 0 0 Jun 01 231,000 4,000 0 0 235,000	0 0 Jul 01 231,000 4,000 0 235,000	0 0 0 Aug 01 230,500 4,000 0 234,500	0 0 0 229,999 4,000 0 233,999	0 0 0 0 0 Totals 4,445,999 145,000 200,751	#DIV/0! #DIV/0! Cum. Var.	0 Comm. C/O Uncommitted 0 0 Total FY01 Fun 4,213,000 New FY01 Fun 200,750 Comm. C/O 378,000 Uncommitted 1
2.2.4	Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens First Stage Immobilization Process/Equip Development Total Lead - Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens	0 0 32 32 32 Oct 00 583,500 30,000 200,751 814,251 814,251 814,988	0 65 65 65 Nov 00 603,500 30,000 0 633,500 1,447,751 1,140,140 1,409,860	0 65 65 65 Dec 00 553,500 30,000 0 583,500 2,031,251 1,867,724 1,960,271	0 0 61 61 328,500 20,000 0 348,500 2,379,751 2,273,269 2,365,658	0 0 Feb 01 531,000 5,000 0 536,000 2,915,751	0 0 456,000 5,000 0 461,000 3,376,751	0 0 0 256,000 5,000 0 261,000 3,637,751	0 0 0 May 01 211,500 4,000 0 215,500 3,853,251	0 0 1 231,000 4,000 0 235,000 4,088,251	0 0 1 231,000 4,000 0 235,000 4,323,251	0 0 0 230,500 4,000 0 234,500 4,557,751	0 0 229,999 4,000 0 233,999 4,791,750	Totals 4,445,999 145,000 200,751 4,791,750	#DIV/0! #DIV/0! Cum. Var. 4%	0 Comm. C/O Uncommitted (0 Total FY01 Fun 4,213,000 New FY01 Fun 200,750 Comm. C/O 378,000 Uncommitted (
2.2.4	Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs + Liens First Stage Immobilization Process/Equip Development Total Lead - Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Monthly Projection Cumulative Costs + Liens Canister Pour Analysis and Testing Tehmau Kan	0 0 32 32 32 Oct 00 583,500 30,000 200,751 814,251 814,251 814,988	0 0 65 65 85 Nov 00 603,500 30,000 633,500 1,447,751 1,140,140 1,409,860	0 65 65 Dec 00 553,500 30,000 583,500 2,031,251 1,867,724 1,960,271	0 61 61 328,500 20,000 348,500 2,379,751 2,273,269 2,365,658	0 0 Feb 01 531,000 5,000 0 536,000 2,915,751	0 0 0 Mar 01 456,000 5,000 0 461,000 3,376,751	0 0 0 256,000 5,000 0 261,000 3,637,751	0 0 1 211,500 4,000 0 215,500 3,853,251	0 0 1 231,000 4,000 0 235,000 4,088,251	0 0 1 231,000 4,000 0 235,000 4,323,251	0 0 0 230,500 4,000 0 234,500 4,557,751	0 0 0 229,999 4,000 0 233,999	Totals 4,445,999 145,000 200,751 4,791,750	#DIV/0! #DIV/0! Cum. Var.	0 Comm. C/O Uncommitted C 0 Total FY01 Fun 4.213,000 New FY01 Fun 200,750 Comm. C/O 378,000 Uncommitted C 4.791,750 Total FY01 Fun
.2.4	Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens First Stage Immobilization Process/Equip Development Total Lead - Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens Canister Pour Analysis and Testing Tehmau Kan Manpower Projection	0 0 32 32 32 Oct 00 583,500 30,000 200,751 814,251 814,251 814,988	0 65 65 65 Nov 00 603,500 30,000 0 633,500 1,447,751 1,140,140 1,409,860	0 65 65 65 Dec 00 553,500 30,000 0 583,500 2,031,251 1,867,724 1,960,271	0 0 61 61 328,500 20,000 0 348,500 2,379,751 2,273,269 2,365,658	0 0 Feb 01 531,000 5,000 0 536,000 2,915,751	0 0 456,000 5,000 0 461,000 3,376,751	0 0 0 256,000 5,000 0 261,000 3,637,751	0 0 0 May 01 211,500 4,000 0 215,500 3,853,251	0 0 1 231,000 4,000 0 235,000 4,088,251	0 0 1 231,000 4,000 0 235,000 4,323,251	0 0 0 230,500 4,000 0 234,500 4,557,751	0 0 229,999 4,000 0 233,999 4,791,750	Totals 4,445,999 145,000 200,751 4,791,750	#DIV/0! #DIV/0! #DIV/0! Cum. Var.	0 Comm. C/O Uncommitted 0 0 Total FY01 Fun 4.213.000 New FY01 Fun 200,750 Comm. C/O 378.000 Uncommitted 0 4.791,750 Total FY01 Fun
2.2.2.4	Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs + Liens First Stage Immobilization Process/Equip Development Total Lead - Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Monthly Projection Cumulative Costs + Liens Canister Pour Analysis and Testing Tehmau Kan Manpower Projection Major Procurement Projection Major Procurement Projection	0 0 32 32 32 0ct 00 583,500 30,000 200,751 814,251 583,977 814,988 Oct 00	0 0 65 65 85 Nov 00 603,500 30,000 633,500 1,447,751 1,140,140 1,409,860	0 65 65 Dec 00 553,500 30,000 583,500 2,031,251 1,867,724 1,960,271	0 61 61 328,500 20,000 348,500 2,379,751 2,273,269 2,365,658	0 0 Feb 01 531,000 5,000 0 536,000 2,915,751	0 0 0 Mar 01 456,000 5,000 0 461,000 3,376,751	0 0 0 256,000 5,000 0 261,000 3,637,751	0 0 1 211,500 4,000 0 215,500 3,853,251	0 0 1 231,000 4,000 0 235,000 4,088,251	0 0 1 231,000 4,000 0 235,000 4,323,251	0 0 0 230,500 4,000 0 234,500 4,557,751	0 0 229,999 4,000 0 233,999 4,791,750	Totals 4,445,999 145,000 200,751 4,791,750 Totals 8,000 0	#DIV/0! #DIV/0! #DIV/0! Cum. Var.	0 Comm. C/O Uncommitted (0 Total FY01 Fun 4,213,000 New FY01 Fun 200,750 Comm. C/O 378,000 Uncommitted (4,791,750 Total FY01 Fun 8,000 New FY01 Fun 779 Comm. C/O
2.2.4	Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens First Stage Immobilization Process/Equip Development Total Lead - Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens Canister Pour Analysis and Testing Tehmau Kan Manpower Projection	0 0 32 32 32 Oct 00 583,500 30,000 200,751 814,251 814,251 814,988	0 0 65 65 85 Nov 00 603,500 30,000 633,500 1,447,751 1,140,140 1,409,860	0 65 65 Dec 00 553,500 30,000 583,500 2,031,251 1,867,724 1,960,271	0 61 61 328,500 20,000 348,500 2,379,751 2,273,269 2,365,658	0 0 Feb 01 531,000 5,000 0 536,000 2,915,751	0 0 0 Mar 01 456,000 5,000 0 461,000 3,376,751	0 0 0 256,000 5,000 0 261,000 3,637,751	0 0 1 211,500 4,000 0 215,500 3,853,251	0 0 1 231,000 4,000 0 235,000 4,088,251	0 0 1 231,000 4,000 0 235,000 4,323,251	0 0 0 230,500 4,000 0 234,500 4,557,751	0 0 229,999 4,000 0 233,999 4,791,750	Totals 4,445,999 145,000 200,751 4,791,750	#DIV/0! #DIV/0! #DIV/0! Cum. Var.	0 Comm. C/O Uncommitted C 0 Total FY01 Fun 4,213,000 New FY01 Fun 200,750 Comm. C/O 378,000 Uncommitted C 4,791,750 Total FY01 Fun 8,000 New FY01 Fun 779 Comm. C/O Uncommitted C Uncommitted C Uncommitted C
2.2.2.4	Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens First Stage Immobilization Process/Equip Development Total Lead - Guy Armantrout Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs + Liens Canister Pour Analysis and Testing Tehmau Kan Manpower Projection Major Procurement Projection Cumulative Costs - Liens	0 0 32 32 32 Oct 00 583,500 30,000 200,751 814,251 583,977 814,988 Oct 00	0 0 65 65 85 Nov 00 603,500 30,000 0 033,500 1,447,751 1,140,140 1,409,860	0 0 65 65 65 Dec 00 553,500 30,000 0 583,500 2,031,251 1,867,724 1,960,271	0 0 61 61 328,500 20,000 0 348,500 2,379,751 2,273,269 2,365,658 Jan 01	0 0 0 531,000 5,000 0 536,000 2,915,751 Feb 01	0 0 0 456,000 5,000 0 461,000 3,376,751	0 0 0 256,000 5,000 0 261,000 3,637,751	0 0 1 211,500 4,000 0 215,500 3,853,251	0 0 1 231,000 4,000 0 235,000 4,088,251	0 0 1 231,000 4,000 0 235,000 4,323,251	0 0 0 230,500 4,000 0 234,500 4,557,751	0 0 229,999 4,000 0 233,999 4,791,750	Totals 4.445,999 145,000 200,751 4,791,750 Totals 8,000 0 7779	#DIV/0! #DIV/0! #DIV/0! Cum. Var.	0 Comm. C/O Uncommitted C 0 Total FY01 Func 4,213,000 New FY01 Func 200,750 Comm. C/O 378,000 Uncommitted C 4,791,750 Total FY01 Func 8,000 New FY01 Func

Second Stage Immobilization 2.5 Process/Equip Development Total Lead - Tehmau Kan	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
Manpower Projection	3,800	0	0	0	2,000	2,200	0	0	0	0	0	0	8,000		8,000 New FY01 Fund
Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		779 Comm. C/O
FY00 Liens	779	0	0	0	0	0	0	0	0	0	0	0	779		0 Uncommitted C
Total Monthly Projection	4,579	0	0	0	2,000	2,200	0	0	0	0	0	0	8,779		8,779 Total FY01 Fund
Cumulative Monthly Projection	4,579	4,579	4,579	4,579	6,579	8,779	8,779	8,779	8,779	8,779	8,779	8,779			
Cumulative Costs	3,833	3,839	2,668	2,668										42%	
Cumulative Costs + Liens	4,611	4,618	4,344	4,344										5%	
3.1.5 Single-Pass Flow-Through Tests	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
Henry Shaw														Var.	
Manpower Projection	21,538	21,538	21,538	53,886	0	0	0	0	0	0	0	0	118,500		118,500 New FY01 Fun
Major Procurement Projection													0		0 Comm. C/O
FY00 Liens													0		Uncommitted 0
Total Monthly Projection	21,538	21,538	21,538	53,886	0	0	0	0	0	0	0	0	118,500		118,500 Total FY01 Fun
Cumulative Monthly Projection	21,538	43,076	64,614	118,500	118,500	118,500	118,500	118,500	118,500	118,500	118,500	118,500			
Cumulative Costs	21,341	46,931	71,815	118,066										0%	
Cumulative Costs + Liens	21,341	46,931	71,815	124,066										-5%	
3.1.6 Dissolution Model Development Henry Shaw	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	9,231	9,231	9,231	27,307	0	0	0	0	0	0	0		55,000	var.	55,000 New FY01 Fun
Manpower Projection	9,231	9,231	9,231	27,307	U	0	0	U	U	0	U	o l	55,000		0 Comm. C/O
Major Procurement Projection													0		Uncommitted
FY00 Liens	0.001	0.001	0.001	07.007	0	0	0	0	0	0			55 000		55,000 Total FY01 Fur
Total Monthly Projection	9,231	9,231	9,231	27,307							U	55,000	55,000		55,000 100011101101
Cumulative Monthly Projection	9,231	18,462	27,693	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000		407	
Cumulative Costs	6,660 6,660	18,366 18,366	28,236 28,236	55,515 55,515										-1%	
Cumulative Costs + Liens	6,660	18,300	28,230	33,313										-1%	
Total Form Performance Testing and 3.1 Dissolution Modeling	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
Henry Shaw	,													Var.	N. FIGAR
Manpower Projection	30,769	30,769	30,769	81,193	0	0	0	0	0	0	0	0	173,500		173,500 New FY01 Fun
Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Comm. C/O
FY00 Liens	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Uncommitted
Total Monthly Projection	30,769	30,769	30,769	81,193	0	0	0	0	0	0	0	0	173,500		173,500 Total FY01 Fur
Cumulative Monthly Projection			92,307	173,500	173,500	173,500	173,500	173,500	173,500	173,500	173,500	173,500			
	30,769	61,538					110,000					,			
Cumulative Costs	28,001	65,296	100,051	173,581			170,000					,		0%	
Cumulative Costs Cumulative Costs + Liens							170,000							0% -4%	
Cumulative Costs + Liens Form Qualification and Repository	28,001 28,001	65,296 65,296	100,051 100,051	173,581 179,581	Feb 01	Mar 01			Jun 01	Jul 01	Aug 01		Totals	-4%	
Cumulative Costs + Liens Form Qualification and Repository Interaction	28,001	65,296	100,051	173,581	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	-4%	
Cumulative Costs + Liens Form Qualification and Repository Interaction Henry Shaw	28,001 28,001 Oct 00	65,296 65,296 Nov 00	100,051 100,051 Dec 00	173,581 179,581 Jan 01			Apr 01	May 01				Sep 01		-4%	281 500 New FY01 Fun
Cumulative Costs + Liens Form Qualification and Repository Interaction Henry Shaw Manpower Projection	28,001 28,001	65,296 65,296	100,051 100,051	173,581 179,581	Feb 01	Mar 01			Jun 01 18,950	Jul 01 18,950	Aug 01 18,950		Totals 281,500	-4%	
Cumulative Costs + Liens Form Qualification and Repository 3.4 Interaction Henry Shaw Manpower Projection Major Procurement Projection	28,001 28,001 Oct 00	65,296 65,296 Nov 00	100,051 100,051 Dec 00	173,581 179,581 Jan 01			Apr 01	May 01				Sep 01		-4%	40 Comm. C/O
Cumulative Costs + Liens Form Qualification and Repository Interaction Henry Shaw Manpower Projection Major Procurement Projection FY00 Liens	28,001 28,001 Oct 00 21,083	65,296 65,296 Nov 00 21,083	100,051 100,051 Dec 00	173,581 179,581 Jan 01 66,750	18,900	18,900	Apr 01 18,950	May 01 18,950	18,950	18,950	18,950	Sep 01	281,500 0 40	-4%	40 Comm. C/O Uncommitted
Cumulative Costs + Liens Form Qualification and Repository Interaction Henry Shaw Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	28,001 28,001 Oct 00 21,083 40 21,123	65,296 65,296 Nov 00 21,083	100,051 100,051 Dec 00 21,083	173,581 179,581 Jan 01 66,750	18,900 18,900	18,900 18,900	Apr 01 18,950	May 01 18,950	18,950 18,950	18,950 18,950	18,950 18,950	Sep 01 18,950	281,500 0	-4%	40 Comm. C/O Uncommitted
Cumulative Costs + Liens Form Qualification and Repository 3.4 Interaction Henry Shaw Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection	28,001 28,001 Oct 00 21,083 40 21,123 21,123	65,296 65,296 Nov 00 21,083 21,083 42,207	100,051 100,051 Dec 00 21,083 21,083 63,290	173,581 179,581 Jan 01 66,750 66,750 130,040	18,900	18,900	Apr 01 18,950	May 01 18,950	18,950	18,950	18,950	Sep 01	281,500 0 40	-4% Cum. Var.	40 Comm. C/O Uncommitted
Cumulative Costs + Liens Form Qualification and Repository Interaction Henry Shaw Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	28,001 28,001 Oct 00 21,083 40 21,123	65,296 65,296 Nov 00 21,083	100,051 100,051 Dec 00 21,083	173,581 179,581 Jan 01 66,750	18,900 18,900	18,900 18,900	Apr 01 18,950	May 01 18,950	18,950 18,950	18,950 18,950	18,950 18,950	Sep 01 18,950	281,500 0 40	-4%	40 Comm. C/O Uncommitted
Cumulative Costs + Liens Form Qualification and Repository Interaction Henry Shaw Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs + Liens 3.3 D&T Form Qualification Total	28,001 28,001 Oct 00 21,083 40 21,123 21,123 47,667	65,296 65,296 Nov 00 21,083 21,083 42,207 81,611	100,051 100,051 Dec 00 21,083 21,083 63,290 111,298	173,581 179,581 Jan 01 66,750 66,750 130,040 129,991	18,900 18,900	18,900 18,900	Apr 01 18,950	May 01 18,950	18,950 18,950	18,950 18,950	18,950 18,950	Sep 01 18,950	281,500 0 40	-4% Cum. Var. 0% 0% Cum.	40 Comm. C/O Uncommitted
Cumulative Costs + Liens Form Qualification and Repository Interaction Henry Shaw Manpower Projection Major Procurement Projection PY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens D&T Form Qualification Total Lead - Henry Shaw	28,001 28,001 Oct 00 21,083 40 21,123 21,123 47,667 47,707 Oct 00	65,296 65,296 Nov 00 21,083 21,083 42,207 81,611 81,651 Nov 00	100,051 100,051 Dec 00 21,083 21,083 63,290 111,298 111,338	173,581 179,581 Jan 01 66,750 66,750 130,040 129,991 130,031	18,900 18,900 148,940 Feb 01	18,900 18,900 167,840 Mar 01	Apr 01 18,950 18,950 186,790 Apr 01	May 01 18,950 18,950 205,740 May 01	18,950 18,950 224,690 Jun 01	18,950 18,950 243,640 Jul 01	18,950 18,950 262,590 Aug 01	Sep 01 18,950 18,950 281,540 Sep 01	281,500 0 40 281,540 Totals	-4% Cum. Var. 0% 0%	40 Comm. C/O Uncommitted 281,540 Total FY01 Fur
Cumulative Costs + Liens Form Qualification and Repository Interaction Henry Shaw Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs + Liens D&T Form Qualification Total Lead - Henry Shaw Manpower Projection	28,001 28,001 Oct 00 21,083 40 21,123 21,123 47,667 47,707 Oct 00	65,296 65,296 Nov 00 21,083 21,083 42,207 81,611 81,651 Nov 00	100,051 100,051 Dec 00 21,083 21,083 63,290 111,298 111,338 Dec 00	173,581 179,581 Jan 01 66,750 66,750 130,040 129,991 130,031 Jan 01	18,900 18,900 148,940 Feb 01	18,900 18,900 167,840 Mar 01	Apr 01 18,950 18,950 186,790 Apr 01	May 01 18,950 18,950 205,740 May 01 18,950	18,950 18,950 224,690 Jun 01	18,950 18,950 243,640 Jul 01	18,950 18,950 262,590 Aug 01	Sep 01 18,950 18,950 281,540	281,500 0 40 281,540	-4% Cum. Var. 0% 0% Cum.	40 Comm. C/O Uncommitted 281,540 Total FY01 Fu 455,000 New FY01 Fu
Cumulative Costs + Liens Form Qualification and Repository Interaction Henry Shaw Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs + Liens 2.3 D&T Form Qualification Total Lead - Henry Shaw Manpower Projection Major Procurement Projection	28,001 28,001 Oct 00 21,083 40 21,123 21,123 47,667 47,707 Oct 00	65,296 65,296 Nov 00 21,083 21,083 42,207 81,611 81,651 Nov 00	100,051 100,051 Dec 00 21,083 21,083 63,290 111,298 111,338 Dec 00	173,581 179,581 Jan 01 66,750 66,750 130,040 129,991 130,031 Jan 01	18,900 18,900 148,940 Feb 01	18,900 18,900 167,840 Mar 01 18,900 0	Apr 01 18,950 18,950 186,790 Apr 01 18,950 0	May 01 18,950 18,950 205,740 May 01 18,950 0	18,950 18,950 224,690 Jun 01 18,950 0	18,950 18,950 243,640 Jul 01 18,950 0	18,950 18,950 262,590 Aug 01 18,950 0	Sep 01 18,950 18,950 281,540 Sep 01	281,500 40 281,540 Totals	-4% Cum. Var. 0% 0% Cum.	40 Comm. C/O Uncommitted 281,540 Total FY01 Fu 455,000 New FY01 Fu 40 Comm. C/O
Cumulative Costs + Liens Form Qualification and Repository Interaction Henry Shaw Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens 2.3 D&T Form Qualification Total Lead - Henry Shaw Manpower Projection Major Procurement Projection FY00 Liens	28,001 28,001 Oct 00 21,083 40 21,123 21,123 47,667 47,707 Oct 00	65,296 65,296 Nov 00 21,083 21,083 42,207 81,611 81,651 Nov 00 51,852 0 0	100,051 100,051 Dec 00 21,083 21,083 63,290 111,298 111,338 Dec 00 51,852 0	173,581 179,581 Jan 01 66,750 66,750 130,040 129,991 130,031 Jan 01 147,943 0	18,900 18,900 148,940 Feb 01 18,900 0	18,900 18,900 167,840 Mar 01 18,900 0	Apr 01 18,950 18,950 186,790 Apr 01 18,950 0 0	May 01 18,950 205,740 May 01 18,950 0 0	18,950 18,950 224,690 Jun 01 18,950 0	18,950 18,950 243,640 Jul 01 18,950 0	18,950 18,950 262,590 Aug 01 18,950 0	Sep 01 18,950 18,950 281,540 Sep 01 18,950 0 0	281,500 0 40 281,540 Totals 455,000 0	-4% Cum. Var. 0% 0% Cum.	40 Comm. C/O Uncommitted 281,540 Total FY01 Fur 455,000 New FY01 Fur 40 Comm. C/O 0 Uncommitted
Cumulative Costs + Liens Form Qualification and Repository Interaction Henry Shaw Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens 2.3 D&T Form Qualification Total Lead - Henry Shaw Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	28,001 28,001 Oct 00 21,083 40 21,123 21,123 47,667 47,707 Oct 00 51,852 0 40 51,852	65,296 65,296 Nov 00 21,083 21,083 42,207 81,611 81,651 Nov 00 51,852 0 0	100,051 100,051 Dec 00 21,083 21,083 63,290 111,298 111,338 Dec 00	173,581 179,581 Jan 01 66,750 66,750 130,040 129,991 130,031 Jan 01 147,943 0 0 147,943	18,900 18,900 148,940 Feb 01 18,900 0 0 18,900	18,900 18,900 167,840 Mar 01 18,900 0 0 18,900	Apr 01 18,950 18,950 186,790 Apr 01 18,950 0 0 18,950	May 01 18,950 18,950 205,740 May 01 18,950 0 18,950	18,950 18,950 224,690 Jun 01 18,950 0 18,950	18,950 18,950 243,640 Jul 01 18,950 0 18,950	18,950 18,950 262,590 Aug 01 18,950 0 0 18,950	Sep 01 18,950 18,950 281,540 Sep 01 18,950 0 18,950	281,500 40 281,540 Totals	-4% Cum. Var. 0% 0% Cum.	40 Comm. C/O Uncommitted 281,540 Total FY01 Fur 455,000 New FY01 Fur 40 Comm. C/O 0 Uncommitted
Cumulative Costs + Liens Form Qualification and Repository Interaction Henry Shaw Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs + Liens 2.3 D&T Form Qualification Total Lead - Henry Shaw Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection	28,001 28,001 Oct 00 21,083 40 21,123 21,123 47,667 47,707 Oct 00 51,852 0 40 51,892	65,296 65,296 Nov 00 21,083 21,083 42,207 81,611 81,651 Nov 00 51,852 103,745	100,051 100,051 Dec 00 21,083 21,083 63,290 111,298 111,338 Dec 00 51,852 0 0 0 51,852 155,597	173,581 179,581 Jan 01 66,750 66,750 130,040 129,991 130,031 Jan 01 147,943 0 0 0 147,943 303,540	18,900 18,900 148,940 Feb 01 18,900 0	18,900 18,900 167,840 Mar 01 18,900 0	Apr 01 18,950 18,950 186,790 Apr 01 18,950 0 0	May 01 18,950 205,740 May 01 18,950 0 0	18,950 18,950 224,690 Jun 01 18,950 0	18,950 18,950 243,640 Jul 01 18,950 0	18,950 18,950 262,590 Aug 01 18,950 0	Sep 01 18,950 18,950 281,540 Sep 01 18,950 0 0	281,500 0 40 281,540 Totals 455,000 0	-4% Cum. Var. 0% 0% Cum. Var.	40 Comm. C/O Uncommitted 281,540 Total FY01 Fur 455,000 New FY01 Fur 40 Comm. C/O 0 Uncommitted
Cumulative Costs + Liens Form Qualification and Repository Interaction Henry Shaw Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens 2.3 D&T Form Qualification Total Lead - Henry Shaw Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	28,001 28,001 Oct 00 21,083 40 21,123 21,123 47,667 47,707 Oct 00 51,852 0 40 51,852	65,296 65,296 Nov 00 21,083 21,083 42,207 81,611 81,651 Nov 00 51,852 0 0	100,051 100,051 Dec 00 21,083 21,083 63,290 111,298 111,338 Dec 00	173,581 179,581 Jan 01 66,750 66,750 130,040 129,991 130,031 Jan 01 147,943 0 0 147,943	18,900 18,900 148,940 Feb 01 18,900 0 0 18,900	18,900 18,900 167,840 Mar 01 18,900 0 0 18,900	Apr 01 18,950 18,950 186,790 Apr 01 18,950 0 0 18,950	May 01 18,950 18,950 205,740 May 01 18,950 0 18,950	18,950 18,950 224,690 Jun 01 18,950 0 18,950	18,950 18,950 243,640 Jul 01 18,950 0 18,950	18,950 18,950 262,590 Aug 01 18,950 0 0 18,950	Sep 01 18,950 18,950 281,540 Sep 01 18,950 0 18,950	281,500 0 40 281,540 Totals 455,000 0	-4% Cum. Var. 0% 0% Cum.	Uncommitted 281,540 Total FY01 Fur 455,000 New FY01 Fur

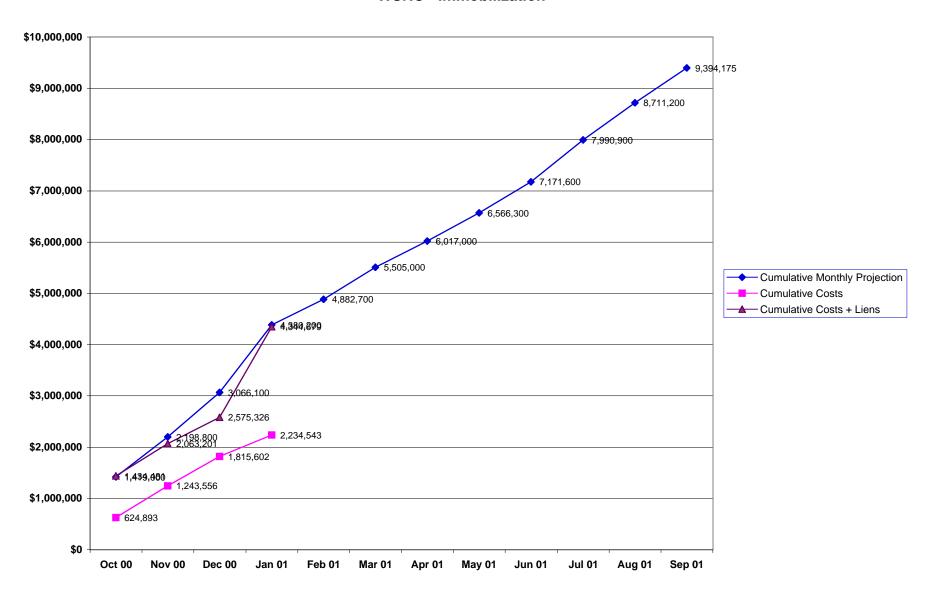
LLNL FY01 Spend Plan

LLNL Immobilization and Associated Processing Total	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.
Lead - Tom Gould														Var.
Manpower Projection	1,543,543	1,879,518	1,307,565	1,536,997	1,220,290	1,133,490	721,141	594,840	649,340	634,340	627,340	657,055	12,505,460	i l
Major Procurement Projection	30,000	30,000	30,000	20,000	5,000	5,000	5,000	4,000	4,000	4,000	74,000	129,000	340,000	ı
FY00 Liens	950,219	0	0	0	0	0	0	0	0	0	0	0	950,219	ı
Total Monthly Projection	2,523,762	1,909,518	1,337,565	1,556,997	1,225,290	1,138,490	726,141	598,840	653,340	638,340	701,340	786,055	13,795,679	ı
Cumulative Monthly Projection	2,523,762	4,433,281	5,770,846	7,327,843	8,553,133	9,691,623	10,417,764	11,016,604	11,669,944	12,308,284	13,009,624	13,795,679		
Cumulative Costs	1,240,650	3,104,145	4,649,220	6,101,361										17%
Cumulative Costs + Liens	2,534,248	4,453,431	6,015,962	7,342,764										0%

11,474,000 New FY01 Funds 950,219 Comm. C/O 1,371,461 Uncommitted C/O 13,795,680 Total FY01 Funding 1 Funds not allocated

11,474,000 New Funding 950,219 Committed Carryover 1,371,461 Uncommitted Carryover - appr

WSRC - Immobilization



WSRC FY01 Spend Plan

5.1.2	DOCDR	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection FY00 Liens	0	0	0	0	0	0	0	0	0	0	0	0	0 0 0	vui.	0 FY01 Funding 0 Comm. C/O 0 Unob C/O
	Total Monthly Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs	0 0	0 0	0 0	0 0	0	0	0	0	0	0	0	0		#DIV/0!	
	Cumulative Costs + Liens	0	0	0	0										#DIV/0!	
5.2.1.1	Technical Project Office	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	Funding Totals
	Manpower Projection Major Procurement Projection FY00 Liens	32,000	32,000	32,000	22,000	35,000	45,000	40,000	45,000	50,000	50,000	50,000	49,000	482,000 0		432,000 FY01 Funding 0 Comm. C/O 50,000 Unob C/O
	Total Monthly Projection	32,000	32,000	32,000	22,000	35,000	45,000	40,000	45,000	50,000	50,000	50,000	49,000	482,000		482,000 Total FY01 Funding
	Cumulative Monthly Projection	32,000	64,000	96,000	118,000	153,000	198,000	238,000	283,000	333,000	383,000	433,000	482,000	,,,,,		
	Cumulative Costs Cumulative Costs + Liens	30,428	69,412	95,452	128,549										-9%	
	Cumulative Costs + Liens	30,428	69,412	95,452	128,549										-9%	
5.2.1.2	Quality Assurance	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection	7,700	11,100	10,200	55,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	1,000	106,000		106,000 FY01 Funding 13,500 Comm. C/O
	FY00 Liens Total Monthly Projection	13,500 21,200	11,100	10,200	55,000	3.000	3,000	3,000	3,000	3,000	3,000	3,000	1,000	13,500 119,500		0 Unob C/O 119,500 Total FY01 Funding
	Cumulative Monthly Projection	21,200	32,300	42,500	97,500	100,500	103,500	106,500	109,500	112,500	115,500	118,500	119,500	113,300		113,300 Total F101 Funding
	Cumulative Costs Cumulative Costs + Liens	11,730 63,530	23,738 84,238	37,939 93,491	44,169 94,861					,,,,,	.,		.,		55% 3%	
5.2.1.3	Document Control	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection FY00 Liens	12,000 400	10,000	8,000	7,000	6,600	7,000	6,000	7,000	7,000	6,000	7,000	6,400	90,000 0 400		90,000 FY01 Funding 400 Comm. C/O 0 Unob C/O
	Total Monthly Projection	12,400	10,000	8,000	7,000	6,600	7,000	6,000	7,000	7,000	6,000	7,000	6,400	90,400		90,400 Total FY01 Funding
	Cumulative Monthly Projection	12,400	22,400	30,400	37,400	44,000	51,000	57,000	64,000	71,000	77,000	84,000	90,400			,
	Cumulative Costs Cumulative Costs + Liens	11,481 11,769	22,826 23,210	29,878 30,262	35,617 36,001										5% 4%	
5.2.1	D&T Program Management Total	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
0.2.1		01100	1101 00	200	5411 01	10001	01		may or	Juli 01	Jul 01	. rug 01	Бер 01	101113	Var.	
	Manpower Projection	51,700	53,100	50,200	84,000	44,600	55,000	49,000	55,000	60,000	59,000	60,000	56,400	678,000		628,000 FY01 Funding
	Major Procurement Projection FY00 Liens	0 13,900	0	0	0	0	0	0	0	0	0	0	0	13,900		13,900 Comm. C/O 50,000 Unob C/O
	Total Monthly Projection	65,600	53,100	50,200	84,000	44,600	55,000	49.000	55,000	60,000	59,000	60,000	56,400	691,900		691,900 Total FY01 Funding
	Cumulative Monthly Projection	65,600	118,700	168,900	252,900	297,500	352,500	401,500	456,500	516,500	575,500	635,500	691,900	,		
	Cumulative Costs	53,639	115,976	163,269	208,335										18%	
	Cumulative Costs + Liens	105,727	176,860	219,205	259,411										-3%	
5.2.2.1.1	Feed Materials Characterization and Blending	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
	Dichang								00.000	23,300	23,300	23,300	00 700	210,000	Var.	184,000 FY01 Funding
	, and the second	6.500	8.000	8,500	8.000	20,000	21.300	21.000					23.500			0 Comm. C/O
	Manpower Projection Major Procurement Projection FY00 Liens	6,500	8,000	8,500	8,000	20,000	21,300	21,000	23,300				23,500	0		26,000 Unob C/O
	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	6,500	8,000	8,500	8,000	20,000	21,300	21,000	23,300	23,300	23,300	23,300	23,500	210,000 0 0 210,000		
	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection	6,500 6,500	8,000 14,500	8,500 23,000	8,000 31,000									0	-2%	26,000 Unob C/O
	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	6,500	8,000	8,500	8,000	20,000	21,300	21,000	23,300	23,300	23,300	23,300	23,500	0	-2% -2%	26,000 Unob C/O
	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs	6,500 6,500 6,120	8,000 14,500 13,734	8,500 23,000 26,462	8,000 31,000 31,740	20,000	21,300	21,000	23,300	23,300	23,300	23,300	23,500	0	-2% Cum.	26,000 Unob C/O
	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens Proliferation Resistance Manpower Projection Major Procurement Projection	6,500 6,500 6,120 6,120	8,000 14,500 13,734 13,734	8,500 23,000 26,462 26,462	8,000 31,000 31,740 31,740	20,000 51,000	21,300 72,300	21,000 93,300	23,300 116,600	23,300 139,900	23,300 163,200	23,300 186,500	23,500 210,000	0 0 210,000	-2%	26,000 Unob C/O 210,000 Total FY01 Funding 0 FY01 Funding 0 Comm. C/O
	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens Proliferation Resistance Manpower Projection Major Procurement Projection FY00 Liens	6,500 6,500 6,120 6,120 Oct 00	8,000 14,500 13,734 13,734	8,500 23,000 26,462 26,462 Dec 00	8,000 31,000 31,740 31,740 Jan 01	20,000 51,000	21,300 72,300	21,000 93,300	23,300 116,600	23,300 139,900 Jun 01	23,300 163,200 Jul 01	23,300 186,500 Aug 01	23,500 210,000	0 0 210,000	-2% Cum.	26,000 Unob C/O 210,000 Total FY01 Funding 0 FY01 Funding 0 Comm. C/O 0 Unob C/O
	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens Proliferation Resistance Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	6,500 6,500 6,120 6,120 Oct 00	8,000 14,500 13,734 13,734 Nov 00	8,500 23,000 26,462 26,462 Dec 00	8,000 31,000 31,740 31,740 Jan 01	20,000 51,000 Feb 01	21,300 72,300 Mar 01	21,000 93,300 Apr 01	23,300 116,600 May 01	23,300 139,900 Jun 01	23,300 163,200 Jul 01	23,300 186,500 Aug 01	23,500 210,000	0 0 210,000	-2% Cum.	26,000 Unob C/O 210,000 Total FY01 Funding 0 FY01 Funding 0 Comm. C/O
	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens Proliferation Resistance Manpower Projection Major Procurement Projection FY00 Liens	6,500 6,500 6,120 6,120 Oct 00	8,000 14,500 13,734 13,734	8,500 23,000 26,462 26,462 Dec 00	8,000 31,000 31,740 31,740 Jan 01	20,000 51,000	21,300 72,300	21,000 93,300	23,300 116,600	23,300 139,900 Jun 01	23,300 163,200 Jul 01	23,300 186,500 Aug 01	23,500 210,000	0 0 210,000	-2% Cum.	26,000 Unob C/O 210,000 Total FY01 Funding 0 FY01 Funding 0 Comm. C/O 0 Unob C/O

5.2.2.1.3	System Integration and Cross- cutting Functions	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection FY00 Liens	101,000	93,000	83,000	26,000	28,000	35,000	28,000	28,000	35,000	28,000	35,000	30,000	550,000 0 0		501,000 FY01 Funding 0 Comm. C/O 49,000 Unob C/O
	Total Monthly Projection	101,000	93,000	83,000	26,000	28,000	35,000	28,000	28,000	35,000	28,000	35,000	30,000	550,000		550,000 Total FY01 Fundin
	Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens	101,000 101,741 101,741	194,000 192,793 192,793	277,000 270,237 270,237	303,000 302,925 302,925	331,000	366,000	394,000	422,000	457,000	485,000	520,000	550,000		0% 0%	
5.2.2.1.4	Material Transport	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection FY00 Liens	0	3,000	3,000	0	0	0	0	0	0	0	0	0	6,000		6,000 FY01 Funding 0 Comm. C/O 0 Unob C/O
	Total Monthly Projection	0	3,000	3,000	0	0	0	0	0	0	0	0	0	6,000		6,000 Total FY01 Fundin
	Cumulative Monthly Projection	0	3,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	.,		.,
	Cumulative Costs	0	1,597	6,077	6,077										-1%	
	Cumulative Costs + Liens	0	1,597	6,077	6,077										-1%	
5.2.2.1.5	Waste Handling System	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection FY00 Liens	5,500	4,500	4,000	-3,000	0	0	0	0	0	0	0	0	11,000 0		11,000 FY01 Funding 0 Comm. C/O 0 Unob C/O
	Total Monthly Projection	5,500	4,500	4,000	-3,000	0	0	0	0	0	0	0	0	11,000		11,000 Total FY01 Fundir
	Cumulative Monthly Projection	5,500	10,000	14,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000			
	Cumulative Costs Cumulative Costs + Liens	5,399 5,399	6,134 6,134	10,636 10,636	10,636 10,636										3% 3%	
5.2.2.1	Technical Support & Integration Total	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection	113,000	108,500	98,500	31,000	48,000	56,300	49,000	51,300	58,300	51,300	58,300	53,500	777,000		702,000 FY01 Funding
	Major Procurement Projection FY00 Liens	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Comm. C/O 75,000 Unob C/O
	Total Monthly Projection	113,000	108.500	98,500	0 31.000	48.000	56.300	49.000	51.300	58.300	51.300	58.300	53,500	777.000		75,000 Unob C/O 777,000 Total FY01 Fundii
	Cumulative Monthly Projection	113,000	221,500	320,000	351,000	399,000	455,300	504,300	555,600	613,900	665,200	723,500	777,000	777,000		777,000 Total I Tot I taliali
	Cumulative Costs Cumulative Costs + Liens	113,260 113,260	214,258 214,258	313,412 313,412	351,378 351,378										0% 0%	
_																
5.2.2.2.3	Development	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection FY00 Liens	34,700 2,000	49,100	34,300	-10,000	27,900	35,000	28,000	26,000	30,000	26,000	32,000	29,000	342,000 0 2.000		274,000 FY01 Funding 2,000 Comm. C/O 68,000 Unob C/O
	Total Monthly Projection	36,700	49,100	34,300	-10,000	27,900	35,000	28,000	26,000	30,000	26,000	32,000	29,000	344,000		344,000 Total FY01 Fundir
	Cumulative Monthly Projection	36,700	85,800	120,100	110,100	138,000	173,000	201,000	227,000	257,000	283,000	315,000	344,000	,,,,,		
	Cumulative Costs Cumulative Costs + Liens	22,097 35,097	45,313 55,978	88,882 88,882	108,948 108,948										1% 1%	
	Immobilized Form Development					Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
5.2.2.2	Total	Oct 00	Nov 00	Dec 00	Jan 01		wai oi	Aproi								274,000 FY01 Funding
5.2.2.2	Total Manpower Projection	34,700	49,100	34,300	-10,000	27,900	35,000	28,000	26,000	30,000	26,000	32,000	29,000	342,000		
5.2.2.2	Manpower Projection Major Procurement Projection	34,700 0	49,100 0	34,300 0	-10,000 0	27,900 0	35,000 0	28,000	0	0	0	0	29,000	0		2,000 Comm. C/O
5.2.2.2	Total Manpower Projection	34,700 0 2,000	49,100 0 0	34,300 0 0	-10,000 0 0	27,900 0 0	35,000 0 0	28,000 0 0	0	0	0	0	0	342,000 0 2,000 344,000		68,000 Unob C/O
5.2.2.2	Manpower Projection Major Procurement Projection FY00 Liens	34,700 0	49,100 0	34,300 0	-10,000 0	27,900 0	35,000 0	28,000	0	0	0	0	29,000 0 0 29,000 344,000	0 2,000		68,000 Unob C/O
5.2.2.2	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs	34,700 0 2,000 36,700 36,700 22,097	49,100 0 0 49,100 85,800 45,313	34,300 0 0 34,300 120,100 88,882	-10,000 0 0 -10,000 110,100 108,948	27,900 0 0 27,900	35,000 0 0 35,000	28,000 0 0 28,000	0 0 26,000	0 0 30,000	0 0 26,000	0 0 32,000	0 0 29,000	0 2,000	1%	68,000 Unob C/O
5.2.2.2	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection	34,700 0 2,000 36,700 36,700	49,100 0 0 49,100 85,800	34,300 0 0 34,300 120,100	-10,000 0 0 -10,000 110,100	27,900 0 0 27,900	35,000 0 0 35,000	28,000 0 0 28,000	0 0 26,000	0 0 30,000	0 0 26,000	0 0 32,000	0 0 29,000	0 2,000	1% 1%	68,000 Unob C/O
5.2.2.2	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs	34,700 0 2,000 36,700 36,700 22,097	49,100 0 0 49,100 85,800 45,313	34,300 0 0 34,300 120,100 88,882	-10,000 0 0 -10,000 110,100 108,948	27,900 0 0 27,900	35,000 0 0 35,000	28,000 0 0 28,000	0 0 26,000	0 0 30,000	0 0 26,000	0 0 32,000	0 0 29,000	0 2,000	1%	68,000 Unob C/O
	Manpower Projection Major Procurement Projection Py00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs + Liens Material Receipt & Storage Manpower Projection	34,700 0 2,000 36,700 36,700 22,097 35,097	49,100 0 0 49,100 85,800 45,313 55,978	34,300 0 0 34,300 120,100 88,882 88,882	-10,000 0 0 -10,000 110,100 108,948 108,948	27,900 0 0 27,900 138,000	35,000 0 0 35,000 173,000	28,000 0 0 28,000 201,000	0 0 26,000 227,000	0 0 30,000 257,000	26,000 283,000	32,000 315,000	0 0 29,000 344,000	0 2,000 344,000	1%	68.000 Unob C/O 344,000 Total FY01 Fundi 10,000 FY01 Funding
	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens Material Receipt & Storage Manpower Projection Major Procurement Projection Fy00 Liens	34,700 0 2,000 36,700 36,700 22,097 35,097	49,100 0 49,100 85,800 45,313 55,978	34,300 0 0 34,300 120,100 88,882 88,882	-10,000 0 0 -10,000 110,100 108,948 108,948	27,900 0 0 27,900 138,000	35,000 0 0 35,000 173,000	28,000 0 0 28,000 201,000	0 0 26,000 227,000 May 01	0 0 30,000 257,000	0 0 26,000 283,000 Jul 01	0 0 32,000 315,000	0 0 29,000 344,000	0 2,000 344,000 Totals	1%	68,000 Unob C/O 344,000 Total FY01 Fundi
	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs + Liens Material Receipt & Storage Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	34,700 0 2,000 36,700 36,700 22,097 35,097	49,100 0 49,100 85,800 45,313 55,978	34,300 0 0 34,300 120,100 88,882 88,882	-10,000 0 0 -10,000 110,100 108,948 108,948	27,900 0 0 27,900 138,000	35,000 0 0 35,000 173,000	28,000 0 0 28,000 201,000	0 0 26,000 227,000 May 01	0 30,000 257,000 Jun 01	0 0 26,000 283,000 Jul 01	0 0 32,000 315,000 Aug 01	0 0 29,000 344,000 Sep 01	0 2,000 344,000 Totals	1%	68,000 Unob C/O 344,000 Total FY01 Fundin 10,000 FY01 Funding 0 Comm. C/O 0 Unob C/O
	Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens Material Receipt & Storage Manpower Projection Major Procurement Projection Fy00 Liens	34,700 0 2,000 36,700 38,700 22,097 35,097 Oct 00	49,100 0 0 49,100 85,800 45,313 55,978 Nov 00	34,300 0 0 34,300 120,100 88,882 88,882 Dec 00	-10,000 0 0 -10,000 110,100 108,948 108,948 Jan 01	27,900 0 0 27,900 138,000	35,000 0 0 35,000 173,000	28,000 0 0 28,000 201,000	0 0 26,000 227,000 May 01	0 0 30,000 257,000 Jun 01	0 0 26,000 283,000 Jul 01	0 0 32,000 315,000 Aug 01	0 0 29,000 344,000	Totals	1%	68,000 Unob C/O 344,000 Total FY01 Fundin 10,000 FY01 Funding 0 Comm. C/O

5.2.2.3.3	Material Size Reduction	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection FY00 Liens			7,500	-7,500	0	0							0		0 FY01 Funding 0 Comm. C/O
	FY00 Liens Total Monthly Projection	0	0	7.500	-7.500	0	0	0	0	0	0	0	0	0		0 Unob C/O 0 Total FY01 Funding
	Cumulative Monthly Projection	0	0	7,500	0	0	0	0	0	0	0	0	0			
	Cumulative Costs	0	0	0	0										#DIV/0!	
	Cumulative Costs + Liens	0	0	0	0										#DIV/0!	
5.2.2.3.4	Material Unpacking and Sorting	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection FY00 Liens	10,000	7,600	9,600	-2,000	8,000	15,000	11,000	11,000	15,000	10,000	15,000	14,800	125,000 0		0 FY01 Funding 0 Comm. C/O 125,000 Unob C/O
	Total Monthly Projection	10.000	7,600	9,600	-2.000	8.000	15.000	11,000	11,000	15,000	10,000	15,000	14,800	125,000		125,000 Total FY01 Funding
	Cumulative Monthly Projection	10,000	17,600	27,200	25,200	33,200	48,200	59,200	70,200	85,200	95,200	110,200	125,000	.,		,,,,,
	Cumulative Costs	9,587	16,002	22,791	25,657										-2%	
	Cumulative Costs + Liens	9,587	16,002	22,791	25,657										-2%	
5.2.2.3.6	Metal Conversion	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection	0	10,000	10,000	0	0	0	0	0	0	0	0	0	20,000		20,000 FY01 Funding
	Major Procurement Projection FY00 Liens													0		0 Comm. C/O 0 Unob C/O
	Total Monthly Projection	0	10,000	10,000	0	0	0	0	0	0	0	0	0	20,000		20,000 Total FY01 Funding
	Cumulative Monthly Projection	0	10,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000			
	Cumulative Costs Cumulative Costs + Liens	0	0	0	13,153 13,153										34% 34%	
	Cumulative Costs + Elens	U	U	U	15,155										3470	
5.2.2.3.7	Impure Oxide Feed Preparation	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
	Manpower Projection		10,000	10,000	-9,000									11,000	Var.	11,000 FY01 Funding
	Major Procurement Projection		10,000	10,000	-5,000									0		0 Comm. C/O
	FY00 Liens													0		0 Unob C/O
	Total Monthly Projection Cumulative Monthly Projection	0	10,000	10,000 20,000	-9,000 11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000		11,000 Total FY01 Funding
	Cumulative Costs	0	10,000	11,051	12,125	11,000	11,000	11,000	11,000	11,000	11,000	11,000	11,000		-10%	
	Cumulative Costs + Liens	0	0	11,051	12,125										-10%	
5.2.2.3.8	Materials Characterization	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection	14,200	21,100	17,100	7,600	16,000	18,000	15,000	15,000	16,000	14,000	18,000	28,000	200,000	Vai.	200,000 FY01 Funding
	Major Procurement Projection												-,	0		0 Comm. C/O
	FY00 Liens Total Monthly Projection	14.200	21.100	17,100	7,600	16.000	18.000	15,000	15.000	16.000	14,000	18.000	28.000	0 200,000		0 Unob C/O 200,000 Total FY01 Funding
	Cumulative Monthly Projection	14,200	35,300	52,400	60,000	76,000	94,000	109,000	124,000	140,000	154,000	172,000	200,000	200,000		200,000 Total F101 Fullding
	Cumulative Costs	13,270	30,166	43,426	54,101	70,000	01,000	100,000	121,000	110,000	101,000	112,000	200,000		10%	
	Cumulative Costs + Liens	13,270	30,166	43,426	54,101										10%	
5.2.2.3.9	Material Control & Accountability	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 FY01 Funding
	Major Procurement Projection FY00 Liens													0		0 Comm. C/O 0 Unob C/O
	Total Monthly Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Total FY01 Funding
	Cumulative Monthly Projection	0	0	0	0	0	0	0	0	0	0	0	0			
	Cumulative Costs Cumulative Costs + Liens	0	0	0	0										#DIV/0! #DIV/0!	
5.2.2.3.10	In-Process Storage Vault	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
	Manpower Projection	0	0	0	0	0	0	0	0	0	0	0	61	•	Var.	0 FY01 Funding
	Major Procurement Projection	U	U	U	U	U	U	U	U	U	U	U	٥	0		0 Comm. C/O
	FY00 Liens													0		0 Unob C/O
	Total Monthly Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs	0	0	0	0	0	0	0	U	0	0	0	0		#DIV/0!	
	Cumulative Costs + Liens	0	0	0	0										#DIV/0!	
										T 01	* * * * *	A 01				
5.2.2.3	Pu Conversion Process/Equipment Development Total	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
5.2.2.3	Development Total Manpower Projection	Oct 00 24,200	Nov 00 53,700	Dec 00 59,200	Jan 01 -10,900	Feb 01 24,000	Mar 01 33,000	Apr 01 26,000	May 01 26,000	31,000	24,000	33,000	Sep 01 42,800	Totals 366,000	Cum. Var.	241,000 FY01 Funding
5.2.2.3	Manpower Projection Major Procurement Projection	24,200 0	53,700	59,200 0	-10,900 0	24,000 0	33,000 0	26,000	26,000	31,000 0	24,000 0	33,000				0 Comm. C/O
5.2.2.3	Development Total Manpower Projection Major Procurement Projection FY00 Liens	24,200 0 0	53,700 0 0	59,200 0 0	-10,900 0 0	24,000 0 0	33,000 0 0	26,000 0 0	26,000 0 0	31,000 0 0	24,000 0 0	33,000 0 0	42,800 0 0	366,000 0 0		0 Comm. C/O 125,000 Unob C/O
5.2.2.3	Manpower Projection Major Procurement Projection	24,200 0	53,700	59,200 0	-10,900 0	24,000 0	33,000 0	26,000	26,000	31,000 0	24,000 0	33,000				0 Comm. C/O
5.2.2.3	Development Total Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	24,200 0 0 24,200	53,700 0 0 53,700	59,200 0 0 59,200	-10,900 0 0 -10,900	24,000 0 0 24,000	33,000 0 0 33,000	26,000 0 0 26,000	26,000 0 0 26,000	31,000 0 0 31,000	24,000 0 0 24,000	33,000 0 0 33,000	42,800 0 0 42,800	366,000 0 0		0 Comm. C/O 125,000 Unob C/O

5.2.2.4.1	Ceramic Feed Batching	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection FY00 Liens	13,400	39,200	39,700	-42,300	0	0	0	2,000	2,000	2,000	2,000	2,000	60,000 0		60,000 FY01 Funding 0 Comm. C/O 0 Unob C/O
	Total Monthly Projection	13,400	39,200	39,700	-42,300	0	0	0	2,000	2,000	2,000	2,000	2,000	60,000		60,000 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens	13,400 12,797 12,797	52,600 29,551 29,551	92,300 47,574 47,574	50,000 49,506 49,506	50,000	50,000	50,000	52,000	54,000	56,000	58,000	60,000		1% 1%	
5.2.2.4.2.1	Ceramification Process Development	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection FY00 Liens	0	0	0	0	0	0	0	0	0	0	0	0	0	Van.	0 FY01 Funding 0 Comm. C/O 0 Unob C/O
	Total Monthly Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Total FY01 Funding
	Cumulative Monthly Projection	0	0	0	0	0	0	0	0	0	0	0	0		#DIV/0!	
	Cumulative Costs Cumulative Costs + Liens	0	0	0	0										#DIV/0! #DIV/0!	
5.2.2.4.2.3	Ceramification Prototype Test Facility (CPTF)	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection	281,500	320,700	400,400	-70,900 1,388,000	260,000	320,000	260,000	300,000	320,000	350,000 220,000	436,000	377,275	3,554,975 1,608,000		3,918,000 FY01 Funding 457,300 Comm. C/O
	FY00 Liens Total Monthly Projection	457,300 738,800	320.700	400.400	1,317,100	260.000	320.000	260.000	300.000	320.000	570.000	436.000	377.275	457,300 5,620,275		1,244,975 Unob C/O 5,620,275 Total FY01 Funding
	Cumulative Monthly Projection	738,800	1,059,500	1,459,900	2,777,000	3,037,000	3,357,000	3,617,000	3,917,000	4,237,000	4,807,000	5,243,000	5,620,275	3,020,273		5,620,275 Total F101 Fullding
	Cumulative Costs Cumulative Costs + Liens	263,915 721,215	522,441 968,988	751,385 1,180,475	975,817 2,760,179										65% 1%	
		721,215	900,900	1,180,473	2,700,179										170	
5.2.2.4.2.2	Plutonium Ceramic Test Facility (PuCTF)	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection FY00 Liens	30,000	37,000	37,000	5,000	30,000	35,000	30,000	30,000	35,000	30,000	35,000	66,000	400,000 0 0		400,000 FY01 Funding 0 Comm. C/O 0 Unob C/O
	Total Monthly Projection	30,000	37,000	37,000	5,000	30,000	35,000	30,000	30,000	35,000	30,000	35,000	66,000	400,000		400,000 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs	30,000 28,875	67,000 56,977	104,000 83,939	109,000 113,187	139,000	174,000	204,000	234,000	269,000	299,000	334,000	400,000		-4%	
	Cumulative Costs + Liens	28,875	56,977	83,939	113,187										-4%	
5.2.2.4.3	Puck NDE/MC&A for Process Control and SNM Accountability	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection FY00 Liens	5,500 245,700	25,100	48,900	-22,200	26,000	30,000	24,000	24,000	28,000	25,000	28,000	25,000	267,300 0 245,700		267,000 FY01 Funding 245,700 Comm. C/O 300 Unob C/O
	Total Monthly Projection	251,200	25,100	48,900	-22,200	26,000	30,000	24,000	24,000	28,000	25,000	28,000	25,000	513,000		513,000 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs	251,200	276,300 20,481	325,200 37,399	303,000 41,909	329,000	359,000	383,000	407,000	435,000	460,000	488,000	513,000		86%	
	Cumulative Costs + Liens	5,372 251,072	266,181	283,099	287,609										5%	
5.2.2.4.5	Can Loading	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection FY00 Liens	40,800	27,900	34,400	6,900	20,000	25,000	20,000	20,000	25,000	25,000	30,000	25,000	300,000		165,000 FY01 Funding 0 Comm. C/O 135,000 Unob C/O
	Total Monthly Projection	40,800	27,900	34,400	6,900	20,000	25,000	20,000	20,000	25,000	25,000	30,000	25,000	300,000		300,000 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs	40,800 41,141	68,700 75,622	103,100 97,617	110,000 113,817	130,000	155,000	175,000	195,000	220,000	245,000	275,000	300,000		-3%	
				97,617	113,817										-3%	
	Cumulative Costs + Liens	41,141	75,622	97,617	110,011											
5.2.2.4.6		41,141 Oct 00	75,622 Nov 00	97,617 Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
5.2.2.4.6	Can MC&A Manpower Projection Major Procurement Projection					Feb 01 3,000	Mar 01 6,000	Apr 01 3,000	May 01 3,000	Jun 01 6,000	Jul 01	Aug 01	Sep 01	Totals 30,000		30,000 FY01 Funding 0 Comm. C/O 0 Unob C/O
5.2.2.4.6	Cumulative Costs + Liens Can MC&A Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	Oct 00 4,000 4,000	Nov 00 7,300 7,300	Dec 00 8,200 8,200	Jan 01 -10,500 -10,500	3,000	6,000	3,000	3,000	6,000	0	0	0			
5.2.2.4.6	Cumulative Costs + Liens Can MC&A Manpower Projection Major Procurement Projection FY00 Liens	Oct 00 4,000	Nov 00 7,300	Dec 00 8,200	Jan 01 -10,500	3,000	6,000	3,000	3,000	6,000	0	0	0 0 30,000	30,000 0 0		0 Comm. C/O 0 Unob C/O

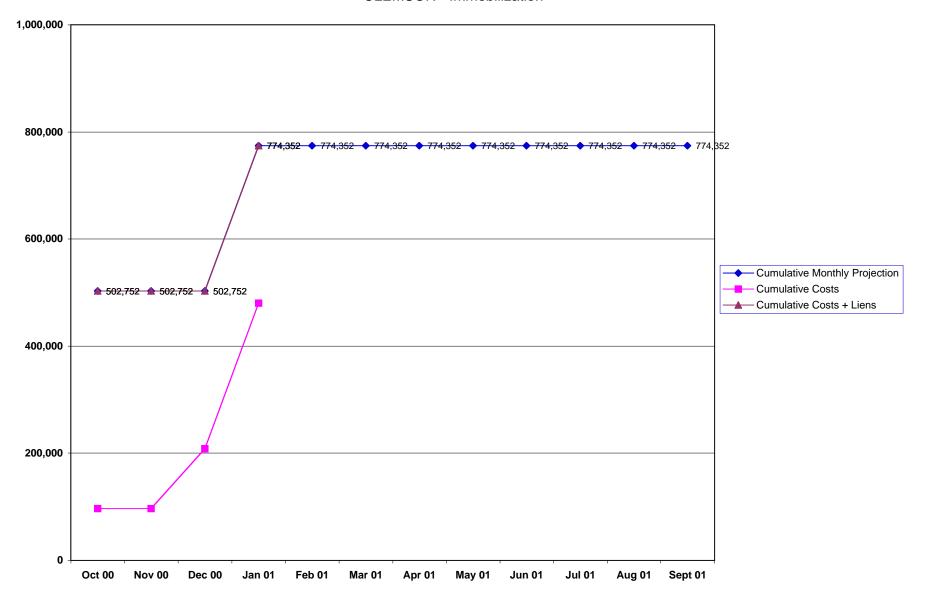
5.2.2.4	First Stage Immobilization Process/ Equip Development Total	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection	375,200 0	457,200 0	568,600 0	-134,000 1,388,000	339,000 0	416,000 0	337,000 0	379,000 0	416,000 0	432,000 220,000	531,000 0	495,275 0	4,612,275 1,608,000		4,840,000 FY01 Funding 703,000 Comm. C/O
	FY00 Liens	703,000	0	0	0	0	0	0	0	0	0	0	0	703,000		1,380,275 Unob C/O
	Total Monthly Projection	1,078,200	457,200	568,600	1,254,000	339,000	416,000	337,000	379,000	416,000	652,000	531,000	495,275	6,923,275		6,923,275 Total FY01 Fundi
	Cumulative Monthly Projection Cumulative Costs	1,078,200 356,035	1,535,400 711,379	2,104,000 1,025,218	3,358,000 1,302,289	3,697,000	4,113,000	4,450,000	4,829,000	5,245,000	5,897,000	6,428,000	6,923,275		61%	
	Cumulative Costs Cumulative Costs + Liens	1.059.035	1,403,626	1,700,008	3.332.351										1%	
	'	2,000,000	3,300,000	2). 20)200	5,000,000											
	Can-in-Canister Design and															
5.2.2.5.1.1	Assembly	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection FY00 Liens	26,000	16,000	16,000	7,000	8,000	12,000	10,000	0	0	0	0	0	95,000 0		95,000 FY01 Funding 0 Comm. C/O 0 Unob C/O
	Total Monthly Projection	26,000	16.000	16.000	7.000	8.000	12.000	10.000	0	0	0	0	0	95,000		95,000 Total FY01 Fundi
	Cumulative Monthly Projection	26,000	42,000	58,000	65,000	73,000	85,000	95,000	95,000	95,000	95,000	95,000	95,000	00,000		00,000 10111111111111111111111111111111
	Cumulative Costs Cumulative Costs + Liens	26,482 26,482	42,803 48,152	58,784 62,782	63,689 67,687	70,000	00,000	00,000	00,000	50,500	00,000	55,555	55,555		2% -4%	
5.2.2.5.1.2	Canister Pour Analysis and Testing	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum.	
	Manpower Projection	23,000	23.000	20,000	-30,000	7,000	9,000	8,000	6,000	6,000	3,000	0	- 01	75,000	Var.	75,000 FY01 Funding
	Major Procurement Projection		23,000	20,000	-30,000	7,000	9,000	8,000	0,000	0,000	3,000	Ü	· ·	0		43,000 Comm. C/O
	FY00 Liens Total Monthly Projection	43,000 66,000	23.000	20,000	-30.000	7.000	9.000	8.000	6.000	6.000	3.000	0	0	43,000 118,000		0 Unob C/O 118,000 Total FY01 Fundii
	Cumulative Monthly Projection	66,000	89,000	109.000	79,000	86,000	95,000	103,000	109,000	115,000	118,000	118,000	118,000	110,000		118,000 10tal F101 Fundi
	Cumulative Costs Cumulative Costs + Liens	21,728 63,228	38,361 88,861	45,626	48,846 73,846	80,000	33,000	103,000	105,000	113,000	118,000	118,000	118,000		38%	
599519	Can/Magazine Storage Vault	63,228 Oct 00	88,861 Nov 00	70,626 Dec 00	73,846 Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	7% Cum.	
J.2.2.J.1.3	Manpower Projection	0.00	0	0	1,000	0	0	0	0	0	0	Aug 01	Sep of	1,000	Var.	1.000 FY01 Funding
	Major Procurement Projection FY00 Liens	U	U	U	1,000	U	U	U	U	U	U	U	0	0		0 Comm. C/O 0 Unob C/O
	Total Monthly Projection Cumulative Monthly Projection	0	0	0	1,000 1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000		1,000 Total FY01 Fundii
	Cumulative Costs Cumulative Costs + Liens	0	613 613	613 613	613 613	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000		39% 39%	
5.2.2.5	Second Stage Immobilization Process/Equip Development Total	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection	49,000	39,000	36,000	-22,000	15,000	21,000	18,000	6,000	6,000	3,000	0	0	171,000		171,000 FY01 Funding
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		43,000 Comm. C/O
	FY00 Liens Total Monthly Projection	43,000 92,000	0 39,000	0 36,000	-22,000	0 15,000	0 21,000	0 18,000	0 6,000	0 6,000	0 3,000	0	0	43,000 214,000		0 Unob C/O 214,000 Total FY01 Fundii
	Cumulative Monthly Projection	92,000	131,000	167,000	145,000	160,000	181,000	199,000	205,000	211,000	214,000	214,000	214.000	214,000		214,000 Total F101 Fundi
	Cumulative Costs	48,210	81,777	105,023	113,148	100,000	101,000	100,000	200,000	211,000	211,000	211,000	211,000		22%	
	Cumulative Costs + Liens	89,710	137,626	134,021	142,146										2%	
	Form Qualification and Repository															
5.2.3.4	Interaction	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection FY00 Liens	9,300	19,200	15,500	-10,000	4,000	6,000	5,000	6,000	4,000	4,000	6,000	6,000	75,000 0		75,000 FY01 Funding 0 Comm. C/O 0 Unob C/O
				15,500	-10.000	4.000	6.000	5.000	6.000	4.000	4.000	6.000	6.000	75,000		75,000 Total FY01 Fundi
	Total Monthly Projection	9,300	19,200	15,500				49,000	55,000	59,000	63,000	69,000	75,000	.,		.,
		9,300 9,300	19,200 28,500	15,500 44,000	34,000	38,000	44,000	40,000								
	Total Monthly Projection Cumulative Monthly Projection Cumulative Costs	9,300 8,795	28,500 25,371	44,000 29,623	34,000 32,173	38,000	44,000	49,000							5% 5%	
5.2.3	Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens	9,300 8,795 8,795	28,500 25,371 25,371	44,000 29,623 29,623	34,000 32,173 32,173				May 01	Jun 01	Jul 01	Aug 01	Sen 01	Totals	5% 5%	
5.2.3	Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens D&T Form Qualification Total	9,300 8,795 8,795 Oct 00	28,500 25,371 25,371 Nov 00	44,000 29,623 29,623 Dec 00	34,000 32,173 32,173 Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	5%	75 000 FV01 Funding
5.2.3	Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs + Liens D&T Form Qualification Total Manpower Projection Major Procurement Projection	9,300 8,795 8,795 Oct 00 9,300 0	28,500 25,371 25,371 Nov 00 19,200 0	44,000 29,623 29,623 Dec 00	34,000 32,173 32,173 Jan 01 -10,000 0	Feb 01 4,000 0	Mar 01 6,000 0	Apr 01 5,000 0	6,000	4,000	4,000	6,000 0	Sep 01 6,000 0	Totals 75,000	5% Cum.	75,000 FY01 Funding 0 Comm. C/O
5.2.3	Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens D&T Form Qualification Total Manpower Projection Major Procurement Projection Fy00 Liens	9,300 8,795 8,795 Oct 00 9,300 0	28,500 25,371 25,371 Nov 00 19,200 0 0	44,000 29,623 29,623 Dec 00	34,000 32,173 32,173 Jan 01 -10,000 0	Feb 01 4,000 0 0	Mar 01 6,000 0 0	Apr 01 5,000 0 0	6,000 0 0	4,000 0 0	4,000 0 0	6,000 0 0	6,000 0 0	75,000 0 0	5% Cum.	0 Comm. C/O 0 Unob C/O
5.2.3	Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs + Liens D&T Form Qualification Total Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	9,300 8,795 8,795 Oct 00 9,300 0 0 9,300	28,500 25,371 25,371 Nov 00 19,200 0 0 19,200	44,000 29,623 29,623 Dec 00 15,500 0 15,500	34,000 32,173 32,173 Jan 01 -10,000 0 0 -10,000	Feb 01 4,000 0 0 4,000	Mar 01 6,000 0 0 6,000	Apr 01 5,000 0 0 5,000	6,000 0 0 6,000	4,000 0 0 4,000	4,000 0 0 4,000	6,000 0 0 6,000	6,000 0 0 6,000		5% Cum.	0 Comm. C/O
5.2.3	Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens D&T Form Qualification Total Manpower Projection Major Procurement Projection Fy00 Liens	9,300 8,795 8,795 Oct 00 9,300 0	28,500 25,371 25,371 Nov 00 19,200 0 0	44,000 29,623 29,623 Dec 00	34,000 32,173 32,173 Jan 01 -10,000 0	Feb 01 4,000 0 0	Mar 01 6,000 0 0	Apr 01 5,000 0 0	6,000 0 0	4,000 0 0	4,000 0 0	6,000 0 0	6,000 0 0	75,000 0 0	5% Cum.	0 Comm. C/O 0 Unob C/O

5.3.1	D&T Technology Transfer	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.	
	Manpower Projection	0	0	5,000	-2,000	0	0	0	0	0	0	0	0	3,000		3,000 FY01 Funding
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Comm. C/O
	FY00 Liens	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Unob C/O
	Total Monthly Projection	0	0	5,000	-2,000	0	0	0	0	0	0	0	0	3,000		3,000 Total FY01 Funding
	Cumulative Monthly Projection	0	0	5,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000			
	Cumulative Costs	0	613	2,841	3,170										-6%	
	Cumulative Costs + Liens	0	613	2,841	3,170										-6%	

WSRC Immobilization and Associated Processing Total	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sep 01	Totals	Cum. Var.
Manpower Projection	657,100	779,800	867,300	-73,900	502,500	622,300	512,000	549,300	605,300	599,300	720,300	682,975	7,024,275	
Major Procurement Projection	0	0	0	1,388,000	0	0	0	0	0	220,000	0	0	1,608,000	
FY00 Liens	761,900	0	0	0	0	0	0	0	0	0	0	0	761,900	
Total Monthly Projection	1,419,000	779,800	867,300	1,314,100	502,500	622,300	512,000	549,300	605,300	819,300	720,300	682,975	9,394,175	
Cumulative Monthly Projection	1,419,000	2,198,800	3,066,100	4,380,200	4,882,700	5,505,000	6,017,000	6,566,300	7,171,600	7,990,900	8,711,200	9,394,175		
Cumulative Costs	624,893	1,243,556	1,815,602	2,234,543										49%
Cumulative Costs + Liens	1,434,481	2,063,201	2,575,326	4,344,679										1%

6,934,000 FY01 Funding 761,900 Comm. C/O 1,698,275 Unob C/O 9,394,175 Total FY01 Funding

CLEMSON - Immobilization



Clemson FY01 Spend Plan

	Ceramic Prototypic Test Facility
5.2.2.4.3	(CPTF)

(CPTF)	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum.
														Var.
Manpower Projection	0	0	0	0	0	0	0	0	0	0	0	0	0	
Major Procurement Projection				271,600									271,600	
FY00 Liens	502,752												502,752	
Total Monthly Projection	502,752	0	0	271,600	0	0	0	0	0	0	0	0	774,352	
Cumulative Monthly Projection	502,752	502,752	502,752	774,352	774,352	774,352	774,352	774,352	774,352	774,352	774,352	774,352		
Cumulative Costs	96,074	96,074	208,107	480,164										38%
Cumulative Costs + Liens	502,752	502,752	502,752	774,352										0%
	•											•	-	•

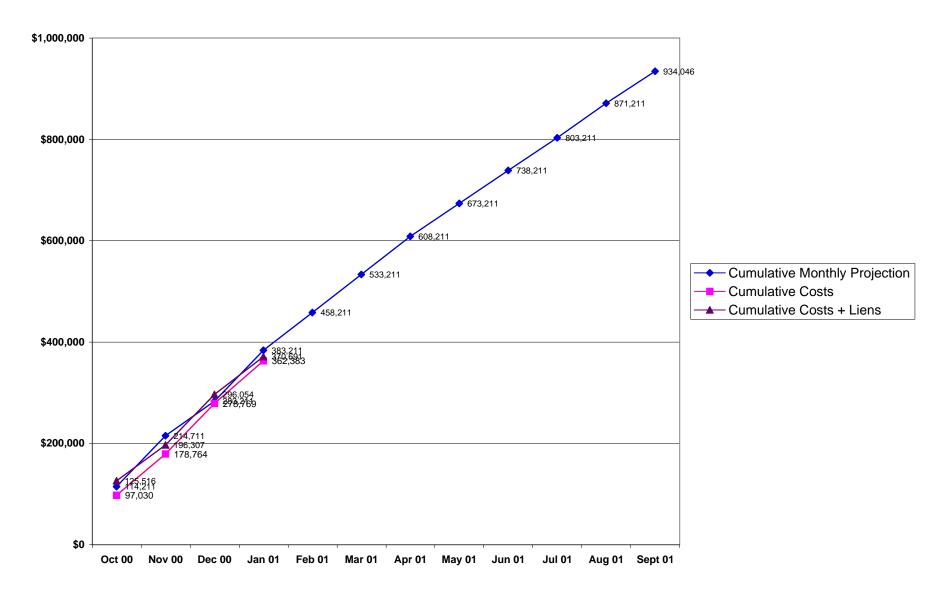
271,600 FY01 Funding 502,752 Comm. C/O 0 Unob C/O 774,352 Total FY01 Funding

TOTAL - CLEMSON	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum.
														Var.
Manpower Projection	0	0	0	0	0	0	0	0	0	0	0	0	0	
Major Procurement Projection	0	0	0	271,600	0	0	0	0	0	0	0	0	271,600	
FY00 Liens	502,752	0	0	0	0	0	0	0	0	0	0	0	502,752	
Total Monthly Projection	502,752	0	0	271,600	0	0	0	0	0	0	0	0	774,352	
Cumulative Monthly Projection	502,752	502,752	502,752	774,352	774,352	774,352	774,352	774,352	774,352	774,352	774,352	774,352		
Cumulative Costs	96,074	96,074	208,107	480,164										38%
Cumulative Costs + Liens	502,752	502,752	502,752	774,352										0%

271,600 FY01 Funding 502,752 Comm. C/O 0 Unob C/O 774,352 Total FY01 Funding

22000

ANL - Immobilization

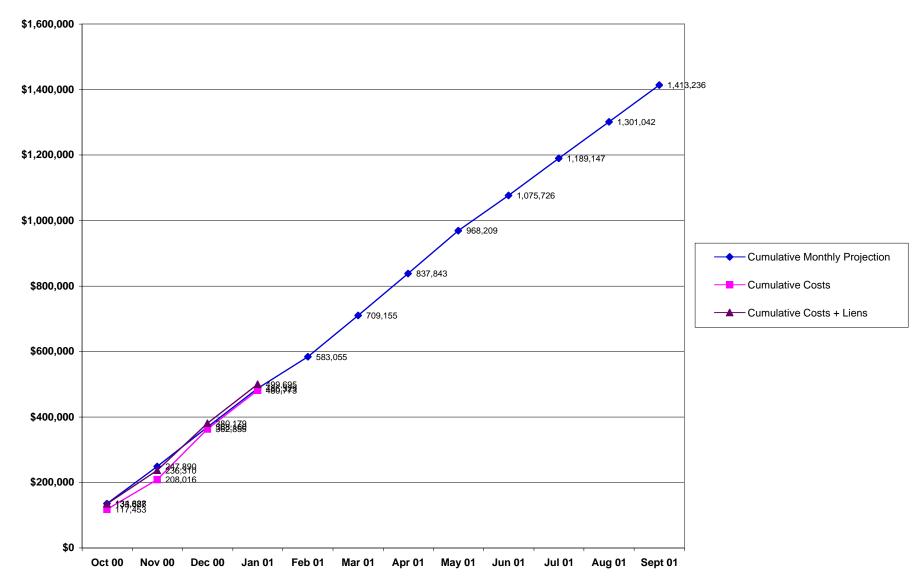


5.2.1.1	Technical Project Office	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum.	
															Var.	
	Manpower Projection Major Procurement Projection	5,500	5,500 0	5,500 0	5,500 0	5,000	5,000	5,000 0	5,000 0	5,000 0	5,000	5,000 0	5,000	62,000 0		62,000 FY01 Funding 0 Comm. C/O
	FY00 Liens Total Monthly Projection	0 5,500	0 5,500	0 5,500	0 5,500	0 5,000	0 5,000	0 5,000	0 5,000	0 5,000	0 5,000	0 5,000	5,000	62,000		0 Unob C/O 62,000 Total FY01 Funding
	Cumulative Monthly Projection	5,500	11,000	16,500	22,000	27,000	32,000	37,000	42,000	47,000	52,000	57,000	62,000			ŭ.
	Cumulative Costs Cumulative Costs + Liens	5,400 5,400	11,000 11,000	16,600 16,600	21,800 21,800										1% 1%	
5.2.1.2	Quality Assurance	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum.	
	Manpower Projection	10,000	10,000	8,000	18,000	20,000	20,000	20,000	15,000	15,000	15,000	13,000	13,000	177,000	Var.	177,000 FY01 Funding
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Comm. C/O
	FY00 Liens	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Unob C/O
	Total Monthly Projection Cumulative Monthly Projection	10,000	10,000	8,000 28,000	18,000	20,000	20,000 86,000	20,000	15,000 121,000	15,000 136,000	15,000 151,000	13,000 164,000	13,000 177,000	177,000		177,000 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs	10,000 10,000	20,000 19,200	28,000	46,000 44,700	00,000	80,000	106,000	121,000	130,000	151,000	104,000	177,000		3%	
	Cumulative Costs + Liens	10,000	19,200	28,100	44,700										3%	
2.1	D&T Program Management	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum.	
	Manpower Projection	15,500	15,500	13,500	23,500	25,000	25,000	25,000	20,000	20,000	20,000	18,000	18,000	239,000	Var.	239,000 FY01 Funding
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Comm. C/O
	FY00 Liens	0 15,500	0 15,500	0 13,500	0 500	0 000	0 000	0 000	0 000	0	0 000	10.000	10.000	920,000		0 Unob C/O
	Total Monthly Projection Cumulative Monthly Projection	15,500	31,000	13,500 44,500	23,500 68,000	25,000 93,000	25,000 118,000	25,000 143,000	20,000 163,000	20,000 183,000	20,000	18,000 221,000	18,000 239,000	239,000		239,000 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs	15,400	30,200	44,700	66,500	93,000	110,000	143,000	103,000	163,000	203,000	221,000	239,000		2%	
	Cumulative Costs + Liens	15,400	30,200	44,700	66,500										2%	
.3.1.2	Short-Term Corrosion Tests Manpower Projection	Oct 00	Nov 00 15,000	Dec 00 8.000	Jan 01 24,000	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals 57,000	Cum. Var.	57,000 FY01 Funding
	Major Procurement Projection FY00 Liens	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Comm. C/O 0 Unob C/O
	Total Monthly Projection	10,000	15,000	8,000	24,000	0	0	0	0	0	0	0	0	57,000		57,000 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs	10,000 23,200	25,000 40,000	33,000 57,200	57,000 57,200	57,000	57,000	57,000	57,000	57,000	57,000	57,000	57,000		0%	
	Cumulative Costs + Liens	23,200	40,000	57,200	57,200 57,200										0% 0%	
3.1.3	Long-Term Corrosion Tests	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	20,000	30,000	20,000	22,500	22,000	22,000	22,000	22,000	22,000	22,000	22,000	21,835	268,335		235,000 FY01 Funding
	Major Procurement Projection FY00 Liens	0 17,500	0	0	0	0	0	0	0	0	0	0	0	0 17,500		17,500 Comm. C/O 33,335 Unob C/O
	Total Monthly Projection	37,500	30,000	20,000	22,500	22,000	22,000	22,000	22,000	22,000	22,000	22,000	21,835	285,835		285,835 Total FY01 Funding
	Cumulative Monthly Projection	37,500	67,500	87,500	110,000	132,000	154,000	176,000	198,000	220,000	242,000	264,000	285,835			
	Cumulative Costs	25,700 39,200	53,100 62,100	84,300 93,300	105,300 107,608										4% 2%	
3.1.4	Cumulative Costs + Liens Integrated Corrosion Tests	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum.	
	Manpower Projection	30,000	35,000	25,000	30,000	28,000	28,000	28,000	23,000	23,000	23,000	28,000	23,000	324,000	Var.	324,000 FY01 Funding
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0.21,000		16,211 Comm. C/O
	FY00 Liens	16,211												16,211		0 Unob C/O
	Total Monthly Projection	46,211	35,000	25,000	30,000	28,000	28,000	28,000	23,000	23,000	23,000	28,000	23,000	340,211		340,211 Total FY01 Funding
	Cumulative Monthly Projection Cumulative Costs	46,211 28,230	81,211 46,964	106,211 80,869	136,211 121,683	164,211	192,211	220,211	243,211	266,211	289,211	317,211	340,211		11%	
	Cumulative Costs + Liens	43,216	55,507	89,154	127,683										6%	
3.1	Form Performance Testing and Dissolution Modeling Total	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	60,000	80,000	53,000	76,500	50,000	50,000	50,000	45,000	45,000	45,000	50,000	44,835	649,335		616,000 FY01 Funding
	Major Procurement Projection	0 00 711	0	0	0	0	0	0	0	0	0	0	0	0		33,711 Comm. C/O
	FY00 Liens Total Monthly Projection	33,711 93,711	0 80,000	53.000	76,500	0 50,000	0 50,000	0 50.000	0 45.000	0 45.000	0 45.000	0 50,000	0 44.835	33,711 683,046		33,335 Unob C/O 683,046 Total FY01 Funding
	Cumulative Monthly Projection	93,711	173,711	226,711	303,211	353,211	403,211	453,211	498,211	543,211	45,000 588,211	638,211	683,046	003,040		005,040 TOTALETOT FUIDING
	Cumulative Costs	77,130	140,064	222,369	284,183	,	,	,	,			,			6%	
	Cumulative Costs + Liens	105.616	157.607	239,654	292,491										4%	

ANL Immobilization Spend Plan

5.2.3.4	Form Qualification and Repository Interaction	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	5,000	5,000	2,000	0	0	0	0	0	0	0	0	0	12,000		12,000 FY01 Funding
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Comm. C/O
	FY00 Liens	0												0		0 Unob C/O
	Total Monthly Projection	5,000	5,000	2,000	0	0	0	0	0	0	0	0	0	12,000		12,000 Total FY01 Funding
	Cumulative Monthly Projection	5,000	10,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000			
	Cumulative Costs	4,500	8,500	11,700	11,700								,,,,,		3%	
	Cumulative Costs + Liens	4.500	8,500	11,700	11,700										3%	
		-,	-,,,,,	,	,											
5.2.3	Form Qualification D&T Plan	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum.	
															Var.	
	Manpower Projection	65,000	85,000	55,000	76,500	50,000	50,000	50,000	45,000	45,000	45,000	50,000	44,835	661,335		628,000 FY01 Funding
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		33,711 Comm. C/O
	FY00 Liens	33,711	0	0	0	0	0	0	0	0	0	0	0	33,711		33,335 Unob C/O
	Total Monthly Projection	98,711	85,000	55,000	76,500	50,000	50,000	50,000	45,000	45,000	45,000	50,000	44,835	695,046		695,046 Total FY01 Funding
	Cumulative Monthly Projection	98,711	183,711	238,711	315,211	365,211	415,211	465,211	510,211	555,211	600,211	650,211	695,046			_
	Cumulative Costs	81,630	148,564	234,069	295,883										6%	
	Cumulative Costs + Liens	110,116	166,107	251,354	304,191										3%	
	ANL Immobilization and Associated Processing Total	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum.	
	Manpower Projection	80,500	100.500	68,500	100,000	75,000	75.000	75,000	65,000	65,000	65,000	68,000	62,835	900,335	Var.	967 999 EV91 E
		80,500	100,500	00,500	100,000		75,000	75,000	000,00	000,60	00,000	08,000	02,835	900,335		867,000 FY01 Funding 33.711 Comm. C/O
	Major Procurement Projection FY00 Liens	33.711	0	0	0	0	0	0	0	0	0	0	0	33.711		33,711 Comm. C/O 33.335 Unob C/O
			100.500	68.500	100.000	75.000	75.000	75,000	65.000	65,000	65.000	68.000	62.835	934.046		
	Total Monthly Projection	114,211		,	,	,		,	,	,	,	,	. ,	934,046		934,046 Total FY01 Funding
	Cumulative Monthly Projection	114,211	214,711	283,211	383,211	458,211	533,211	608,211	673,211	738,211	803,211	871,211	934,046			
	Cumulative Costs	97,030	178,764	278,769	362,383										5%	
	Cumulative Costs + Liens	125,516	196,307	296,054	370,691										3%	

PNNL - Immobilization



PNNL Immoblization Spend Plan

PNNL FY01 Spend Plan

5.2.1.1	Technical Project Office	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	Funding Totals
	Manpower Projection Major Procurement Projection FY00 Liens	703	6,232	6,871	7,956	6,871	8,456	7,594	7,956	7,594	7,732	7,232	6,803	82,000 0 0		82,000 New FY01 Funds 0 Comm. C/O* 0 Unob C/O
	Total Monthly Projection	703	6,232	6,871	7,956	6,871	8,456	7,594	7,956	7,594	7,732	7,232	6,803	82,000		82,000 Total FY01 Funding
	Cumulative Monthly Projection	703	6,935	13,806	21,762	28,633	37,089	44,683	52,639	60,233	67,965	75,197	82,000			
	Cumulative Costs Cumulative Costs + Liens	703 703	7,679 7,679	13,534 13,534	21,941 21,941										-1% -1%	
5.2.1.2	QA	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection	14,409	18,994	19,004	17,549	2,423	10,542	10,835	10,542	10,835	16,500	18,187	19,180	169,000 0	vai.	169,000 New FY01 Funds 1,744 Comm. C/O*
	FY00 Liens	1,744 16,153	18,994	19,004	17,549	2,423	10,542	10,835	10,542	10,835	16,500	18,187	19,180	1,744 170,744		0 Unob C/O 170,744 Total FY01 Funding
	Total Monthly Projection Cumulative Monthly Projection	16,153	35,147	54,151	71,700	74,123	84,665	95,500	106,042	116,877	133,377	151,564	170,744	170,744		170,744 Total F101 Fullding
	Cumulative Costs	14,409	27,261	45,765	56,580	7 1,120	01,000	00,000	100,012	110,011	100,011	101,001	110,111		21%	
	Cumulative Costs + Liens	16,171	29,021	48,123	58,938										18%	
5.2.1	Project Management Total	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	15,112 0	25,226 0	25,875 0	25,505 0	9,294	18,998 0	18,429 0	18,498 0	18,429 0	24,232	25,419 0	25,983	251,000	-	251,000 New FY01 Funds 1.744 Comm. C/O*
	Major Procurement Projection FY00 Liens	1,744	0	0	0	0	0	0	0	0	0	0	0	1,744		0 Unob C/O
	Total Monthly Projection	16,856	25,226	25,875	25,505	9,294	18,998	18,429	18,498	18,429	24,232	25,419	25,983	252,744		252,744 Total FY01 Funding
	Cumulative Monthly Projection	16,856	42,082	67,957	93,462	102,756	121,754	140,183	158,681	177,110	201,342	226,761	252,744			
	Cumulative Costs	15,112	34,940	59,299	78,521										16%	
	Cumulative Costs + Liens	16,874	36,700	61,657	80,879										13%	
	Radiation-Damaged Sample															
5.2.3.1.1	Synthesis	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection FY00 Liens	33,212	38,516	42,024	44,780	52,021	59,834	64,213	65,151	52,210	48,478	47,353	45,208	593,000 0 0		593,000 FY01 Funding 0 Comm. C/O* 0 Unob C/O
	Total Monthly Projection	33,212	38,516	42,024	44,780	52,021	59,834	64,213	65,151	52,210	48,478	47,353	45,208	593,000		593,000 Total FY01 Funding
	Cumulative Monthly Projection	33,212	71,728	113,752	158,532	210,553	270,387	334,600	399,751	451,961	500,439	547,792	593,000			
	Cumulative Costs Cumulative Costs + Liens	33,212 33,212	66,671 66,671	125,729 126,888	172,283 173,442										-9% -9%	
5.2.3.1.4	Integrated Corrosion Tests	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum.	
	Manpower Projection Major Procurement Projection	10,083	11,750	10,450	8,012	1,100	1,051	1,002	928	926	897	902	899	48,000 0	Var.	48,000 FY01 Funding 0 Comm. C/O*
	FY00 Liens Total Monthly Projection	10,083	11,750	10,450	8,012	1,100	1,051	1,002	928	926	897	902	899	0 48,000		0 Unob C/O 48,000 Total FY01 Funding
	Cumulative Monthly Projection	10,083	21,833	32,283	40,295	41,395	42,446	43,448	44,376	45,302	46,199	47,101	48,000			
	Cumulative Costs Cumulative Costs + Liens	10,083 10,083	23,009 25,633	35,977 38,601	51,659 51,659										-28% -28%	
5.2.3.1.5	Single-Pass Flow-Through Tests	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum.	
	Manpower Projection	42,144	31,021	35,021	33,641	33,302	41,117	39,654	41,189	31,214	34,879	32,521	33,298	429,001	Var.	385,000 New FY01 Funds
	Major Procurement Projection FY00 Liens	15,491												0 15,491		15,491 Comm. C/O* 44,001 Unob C/O
	Total Monthly Projection	15,491 57,635	31,021	35,021	33,641	33.302	41,117	39,654	41,189	31,214	34,879	32,521	33,298	15,491 444,492		44,492 Total FY01 Funding
	Cumulative Monthly Projection	57,635	88,656	123,677	157,318	190,620	231,737	271,391	312,580	343,794	378,673	411,194	444,492	111,102		444,452 Total F101 Funding
	Cumulative Costs	42,144	62,381	117,449	152,063		,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,		,	, ,	1		3%	
	Cumulative Costs + Liens	56,756	86,291	128,632	167,468										-6%	
5.2.3.2.1	Aqueous Solubility/Speciation Measurements	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection													0	vai.	0 New FY01 Funds
	Major Procurement Projection FY00 Liens													0		0 Comm. C/O* 0 Unob C/O
	Total Monthly Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		0 Total FY01 Funding
	Cumulative Monthly Projection	0	0	0	0	0	0	0	0	0	0	0	0		#P#/ (0)	
	Cumulative Costs Cumulative Costs + Liens	0 0	0	0	0	0	0 0	0	0	0	0 0	0	0		#DIV/0! #DIV/0!	
	Cumulative Costs + Liens	0	0	U	U	U	U	U	U	U	U	U	0		#DIV/0!	

PNNL Immoblization Spend Plan

5.2.3.1	Form Performance Testing and Dissolution Modeling	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection	85,439	81,287	87,495	86,433	86,423	102,002	104,869	107,268	84,350	84,254	80,776	79,405	1,070,001		1,026,000 New FY01 Funds
	Major Procurement Projection	0	0	0	0	0	0	0	0	0	0	0	0	0		15,491 Comm. C/O*
	FY00 Liens	15,491	0	0	0	0	0	0	0	0	0	0	0	15,491		44,001 Unob C/O
	Total Monthly Projection	100,930	81,287	87,495	86,433	86,423	102,002	104,869	107,268	84,350	84,254	80,776	79,405	1,085,492		1,085,492 Total FY01 Funding
	Cumulative Monthly Projection	100,930	182,217	269,712	356,145	442,568	544,570	649,439	756,707	841,057	925,311	1,006,087	1,085,492			
	Cumulative Costs	85,439	152,061	279,155	376,005										-6%	
	Cumulative Costs + Liens	100,051	178,595	294,121	392,569										-10%	
5.2.3.4	Form Qualification and Repository Interactions	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
	Manpower Projection Major Procurement Projection FY00 Liens	16,902	6,689	6,900	6,231	1,009	5,100	5,390	4,600	4,738	4,935	5,700	6,806	75,000 0		75,000 New FY01 Funds 0 Comm. C/O* 0 Unob C/O
	Total Monthly Projection	16.902	6.689	6.900	6.231	1.009	5.100	5.390	4.600	4.738	4.935	5,700	6.806	75,000		75,000 Total FY01 Funding
	Cumulative Monthly Projection	16,902	23,591	30,491	36,722	37,731	42,831	48.221	52,821	57,559	62,494	68.194	75,000	70,000		70,000 101111111111111111111111111111111
	Cumulative Costs	16,902	21,015	24,401	26,247	01,101	12,001	10,221	02,021	01,000	02,101	00,101	70,000		29%	
	Cumulative Costs + Liens	16,902	21.015	24,401	26.247										29%	
		,	,		,											
5.2.3	D&T Form Qualification Total	Oct 00	Nov 00	Dec 00	Jan 01	Feb 01	Mar 01	Apr 01	May 01	Jun 01	Jul 01	Aug 01	Sept 01	Totals	Cum. Var.	
					00.004	87,432	407 400	110.259	111.868	89,088	89,189	86,476	86.211	1,145,001		1.101.000 New FY01 Funds
	Manpower Projection	102,341	87,976	94,395	92,664	87,432	107,102	110,239	111,000							
	Manpower Projection Major Procurement Projection	102,341 0	87,976 0	94,395 0	92,664	87,432	107,102	110,259	0	0	0	0	0	0		15,491 Comm. C/O*
	Major Procurement Projection FY00 Liens			0					,	0	0	0	0	0 15,491		15,491 Comm. C/O* 44,001 Unob C/O
	Major Procurement Projection	0	0	0	0 0 92,664	0	0	0	0	-			-	0		15,491 Comm. C/O*
	Major Procurement Projection FY00 Liens	0 15,491	0	0	0	0	0	0	0	0	0	0	0	0 15,491		15,491 Comm. C/O* 44,001 Unob C/O
	Major Procurement Projection FY00 Liens Total Monthly Projection	0 15,491 117,832	0 0 87,976	0 0 94,395	0 0 92,664	0 0 87,432	0 0 107,102	0 0 110,259	0 0 111,868	0 89,088	0 89,189	0 86,476	0 86,211	0 15,491	-2%	15,491 Comm. C/O* 44,001 Unob C/O
	Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection	0 15,491 117,832 117,832	0 0 87,976 205,808	0 0 94,395 300,203	0 0 92,664 392,867	0 0 87,432	0 0 107,102	0 0 110,259	0 0 111,868	0 89,088	0 89,189	0 86,476	0 86,211	0 15,491	-2% -7%	15,491 Comm. C/O* 44,001 Unob C/O
	Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs	15,491 117,832 117,832 102,341	0 0 87,976 205,808 173,076	0 0 94,395 300,203 303,556	0 0 92,664 392,867 402,252	0 0 87,432	0 0 107,102	0 0 110,259	0 0 111,868	0 89,088	0 89,189	0 86,476	0 86,211	0 15,491		15,491 Comm. C/O* 44,001 Unob C/O
	Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens PNNL Immobilization and Associated Processing Total	15,491 117,832 117,832 102,341	0 0 87,976 205,808 173,076	0 0 94,395 300,203 303,556 318,522 Dec 00	0 0 92,664 392,867 402,252	0 0 87,432	0 0 107,102	0 0 110,259	0 0 111,868 809,528	0 89,088 898,616	0 89,189	0 86,476	0 86,211 1,160,492	0 15,491 1,160,492 Totals		15,491 Comm. C/O* 44,001 Unob C/O
	Major Procurement Projection FY00 Liens T/001 Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs Cumulative Costs + Liens PNNL Immobilization and Associated Processing Total Manpower Projection	0 15,491 117,832 117,832 102,341 116,953 Oct 00	0 0 87,976 205,808 173,076 199,610	0 0 94,395 300,203 303,556 318,522	0 0 92,664 392,867 402,252 418,816	0 0 87,432 480,299 Feb 01	0 0 107,102 587,401	0 0 110,259 697,660	0 0 111,868 809,528	89,088 898,616	987,805	0 86,476 1,074,281	86,211 1,160,492	0 15,491 1,160,492	-7%	15,491 Comm. C/O* 44,001 Unob C/O 1,160,492 Total FY01 Funding 0 1,352,000 FY01 Funding
	Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens PNNL Immobilization and Associated Processing Total Manpower Projection Major Procurement Projection	0 15,491 117,832 117,832 102,341 116,953 Oct 00	0 0 87,976 205,808 173,076 199,610	0 0 94,395 300,203 303,556 318,522 Dec 00	0 0 92,664 392,867 402,252 418,816 Jan 01	0 0 87,432 480,299 Feb 01	0 0 107,102 587,401 Mar 01	0 0 110,259 697,660	0 0 111,868 809,528 May 01	0 89,088 898,616 Jun 01	0 89,189 987,805 Jul 01	0 86,476 1,074,281 Aug 01 111,895 0	0 86,211 1,160,492	Totals	-7%	15.491 Comm. C/O* 44.001 Unob C/O 1.160.492 Total FY01 Funding 0 1.352.000 FY01 Funding 17.235 Comm. C/O*
	Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens PNNL Immobilization and Associated Processing Total Manpower Projection Major Procurement Projection FY00 Liens	0 15,491 117,832 117,832 102,341 116,953 Oct 00	0 0 87,976 205,808 173,076 199,610 Nov 00	0 0 94,395 300,203 303,556 318,522 Dec 00	0 0 92,664 392,867 402,252 418,816 Jan 01	0 0 87,432 480,299 Feb 01	0 0 107,102 587,401 Mar 01	0 0 110,259 697,660 Apr 01	0 0 111,868 809,528 May 01	0 89,088 898,616 Jun 01 107,517 0 0	0 89,189 987,805 Jul 01 113,421 0	0 86,476 1,074,281 Aug 01 111,895 0	Sept 01 112,194 0 0	15,491 1,160,492 Totals 1,396,001 0 17,235	-7%	15,491 Comm. C/O* 44,001 Unob C/O 1,160,492 Total FY01 Funding 0 1,352,000 FY01 Funding 17,235 Comm. C/O* 44,001 Unob C/O
	Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens PNNL Immobilization and Associated Processing Total Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection	0 15,491 117,832 117,832 102,341 116,953 Oct 00	0 0 87,976 205,808 173,076 199,610 Nov 00	0 0 94,395 300,203 303,556 318,522 Dec 00	0 0 92,664 392,867 402,252 418,816 Jan 01	0 0 87,432 480,299 Feb 01	0 0 107,102 587,401 Mar 01	0 0 110,259 697,660 Apr 01	0 0 111,868 809,528 May 01	Jun 01 107,517 0 107,517	0 89,189 987,805 Jul 01	0 86,476 1,074,281 Aug 01 111,895 0 0 111,895	0 86,211 1,160,492 Sept 01	Totals	-7%	15.491 Comm. C/O* 44.001 Unob C/O 1.160.492 Total FY01 Funding 0 1.352.000 FY01 Funding 17.235 Comm. C/O*
	Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens PNNL Immobilization and Associated Processing Total Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection	0 15,491 117,832 117,832 102,341 116,953 Oct 00	0 0 87,976 205,808 173,076 199,610 Nov 00	0 0 94,395 300,203 303,556 318,522 Dec 00	0 0 92,664 392,867 402,252 418,816 Jan 01	0 0 87,432 480,299 Feb 01	0 0 107,102 587,401 Mar 01	0 0 110,259 697,660 Apr 01	0 0 111,868 809,528 May 01	0 89,088 898,616 Jun 01 107,517 0 0	0 89,189 987,805 Jul 01 113,421 0	0 86,476 1,074,281 Aug 01 111,895 0	Sept 01 112,194 0 0	15,491 1,160,492 Totals 1,396,001 0 17,235	-7%	15,491 Comm. C/O* 44,001 Unob C/O 1,160,492 Total FY01 Funding 0 1,352,000 FY01 Funding 17,235 Comm. C/O* 44,001 Unob C/O
	Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens PNNL Immobilization and Associated Processing Total Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Monthly Projection Cumulative Costs	0 15,491 117,832 102,341 116,953 Oct 00	0 0 87,976 205,808 173,076 199,610 Nov 00 113,202 0 0 113,202	0 0 94,395 300,203 303,556 318,522 Dec 00	0 0 92,664 392,867 402,252 418,816 Jan 01 118,169 0 0 118,169	0 0 87,432 480,299 Feb 01 96,726 0 96,726	0 0 107,102 587,401 Mar 01 126,100 0 0 126,100	0 0 110,259 697,660 Apr 01 128,688 0 0 128,688	0 0 111,868 809,528 May 01 130,366 0 0 130,366	Jun 01 107,517 0 107,517	0 89,189 987,805 Jul 01 113,421 0 0 113,421	0 86,476 1,074,281 Aug 01 111,895 0 0 111,895	Sept 01 112,194 0 112,194	15,491 1,160,492 Totals 1,396,001 0 17,235	-7% Cum. Var.	15,491 Comm. C/O* 44,001 Unob C/O 1,160,492 Total FY01 Funding 0 1,352,000 FY01 Funding 17,235 Comm. C/O* 44,001 Unob C/O
	Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection Cumulative Costs Cumulative Costs + Liens PNNL Immobilization and Associated Processing Total Manpower Projection Major Procurement Projection FY00 Liens Total Monthly Projection Cumulative Monthly Projection	0 15,491 117,832 102,341 116,953 Oct 00 117,453 0 17,235 134,688	0 0 0 87.976 205.808 173.076 199.610 Nov 00 113,202 0 0 113,202 247.890	0 94,395 300,203 303,556 318,522 Dec 00	0 0 92,664 392,867 402,252 418,816 Jan 01 118,169 0 0 118,169 486,329	0 0 87,432 480,299 Feb 01 96,726 0 96,726	0 0 107,102 587,401 Mar 01 126,100 0 0 126,100	0 0 110,259 697,660 Apr 01 128,688 0 0 128,688	0 0 111,868 809,528 May 01 130,366 0 0 130,366	Jun 01 107,517 0 107,517	0 89,189 987,805 Jul 01 113,421 0 0 113,421	0 86,476 1,074,281 Aug 01 111,895 0 0 111,895	Sept 01 112,194 0 112,194	15,491 1,160,492 Totals 1,396,001 0 17,235	-7% Cum. Var.	15,491 Comm. C/O* 44,001 Unob C/O 1,160,492 Total FY01 Funding 0 1,352,000 FY01 Funding 17,235 Comm. C/O* 44,001 Unob C/O

1,352,000 FY01 New Funding 17,222 Obligated C/O 44,014 Unobligated C/O 1,413,236 Total FY01 Funding